

Kuipers & Associates

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Date: July 6, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
May 2009 Monthly Report**

This May 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from May 1st through May 31st, with 89.7% availability for TSP at the Opportunity location and 89.7% availability for PM10 at the Warm Springs location.
 - Downtime at the Opportunity location occurred on May 1 at 13:00 MST, and on May 27 at 17:00 MST for calibrations and routine maintenance. Additional downtime occurred from May 21 at 13:00 MST through May 24 at 14:00 MST for a Method Detection Limit (MDL) test. Finally, a spurious TSP reading occurring on May 4 at 17:00 MST was rejected.
 - Downtime at the Warm Springs location occurred on May 1 at 12:00 MST, on May 27 at 16:00 MST and on May 29 at 15:00 MST for calibrations and routine maintenance. Additional downtime occurred from May 24 at 14:00 MST through May 27 at 15:00 MST for a method detection limit (MDL) test.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.

- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 103 $\mu\text{g}/\text{m}^3$. The high daily average resulted from a ten-hour episode of elevated hourly concentrations associated with strong winds. Winds were from the southwest during the first seven hours of the episode, and from the north-northeast during the last three hours. Therefore, the Opportunity monitor was actually upwind from the LWMA during most of this episode. The average monthly concentration for May was 16 $\mu\text{g}/\text{m}^3$. The maximum reading for May on an hourly average basis was 557 $\mu\text{g}/\text{m}^3$. This value was associated with moderate west-northwest winds. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 20 $\mu\text{g}/\text{m}^3$, and the average monthly concentration for May was 6 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 79 $\mu\text{g}/\text{m}^3$. This value was associated with moderate west-southwest winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, May 2009

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	103	5/19/2009	9.8	278
Daily 2nd Max	40	5/11/2009	5.6	274
Daily 3rd Max	32	5/29/2009	3.8	263
Daily 4th Max	25	5/30/2009	3.8	183
Hourly 1st Max	557	5/11/2009 17:00	10.1	301
Hourly 2nd Max	536	5/19/2009 18:00	17.4	32
Hourly 3rd Max	310	5/19/2009 16:00	15.2	263
Hourly 4th Max	299	5/19/2009 17:00	17.2	36

Table 2
Warm Springs Site PM10 Maximum Data, May 2009

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	20	5/19/2009	8.7	208
Daily 2nd Max	14	5/18/2009	5.5	213
Daily 3rd Max	10	5/23/2009	4.4	174
Daily 4th Max	9	5/29/2009	3.7	221
Hourly 1st Max	79	5/18/2009 15:00	10.3	237
Hourly 2nd Max	67	5/19/2009 16:00	8.5	7
Hourly 3rd Max	40	5/19/2009 14:00	17.9	219
Hourly 4th Max	39	5/19/2009 10:00	15.2	221

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was $75 \mu\text{g}/\text{m}^3$, the 24-hour standard was $200 \mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for May at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of May were well below the 24-hour Montana Ambient Air Quality Standard of $150 \mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of $50 \mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was below average according to Butte airport records.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in May were from the southwest quadrant and from the west-northwest.
 - Figure 2 shows the Warm Springs location, where winds were mostly from southerly directions.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
David Dobrinen	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
May 1, 2009	7	1.4	3.2	173	3.2	37.8	59
May 2, 2009	9	1.5	3.4	158	6.0	42.8	55
May 3, 2009	3	2.4	5.4	193	6.7	44.1	74
May 4, 2009	6	2.5	5.5	258	6.7	44.0	47
May 5, 2009	13	3.5	7.8	246	7.8	46.0	63
May 6, 2009	4	2.2	4.9	259	6.5	43.7	64
May 7, 2009	9	3.2	7.1	273	3.6	38.5	62
May 8, 2009	5	2.3	5.1	298	4.1	39.3	59
May 9, 2009	7	1.4	3.2	20	4.9	40.8	52
May 10, 2009	8	1.8	4.1	304	6.5	43.7	51
May 11, 2009	40	2.5	5.6	274	8.5	47.2	51
May 12, 2009	10	2.7	6.1	270	1.4	34.6	69
May 13, 2009	5	2.8	6.3	248	5.1	41.1	47
May 14, 2009	11	3.3	7.5	243	7.5	45.6	59
May 15, 2009	6	2.2	4.9	328	7.3	45.1	55
May 16, 2009	15	2.0	4.4	250	11.2	52.2	43
May 17, 2009	16	2.0	4.4	248	16.2	61.2	38
May 18, 2009	25	2.3	5.2	229	18.9	66.0	38
May 19, 2009	103	4.4	9.8	278	15.7	60.2	40
May 20, 2009	19	3.1	6.9	320	7.9	46.2	39
May 21, 2009	8	2.0	4.5	15	8.1	46.6	40
May 22, 2009	NO DATA	2.0	4.6	6	10.8	51.4	45
May 23, 2009	NO DATA	2.3	5.2	158	14.9	58.8	49
May 24, 2009	5	1.9	4.4	344	10.5	50.9	83
May 25, 2009	7	1.7	3.8	116	10.8	51.5	68
May 26, 2009	12	1.9	4.2	229	13.8	56.8	52
May 27, 2009	19	2.0	4.4	258	14.1	57.4	47
May 28, 2009	22	1.8	4.1	246	15.3	59.6	45
May 29, 2009	32	1.7	3.8	263	15.3	59.6	56
May 30, 2009	25	1.7	3.8	183	17.1	62.8	53
May 31, 2009	15	2.3	5.1	256	17.0	62.5	41

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
May 1, 2009	2	1.6	3.6	164	3.3	38.0	58
May 2, 2009	5	1.5	3.4	284	6.3	43.4	54
May 3, 2009	3	2.4	5.4	173	6.9	44.4	72
May 4, 2009	3	3.5	7.9	231	6.8	44.2	48
May 5, 2009	3	4.0	8.9	200	7.9	46.2	62
May 6, 2009	1	2.4	5.4	206	7.0	44.5	61
May 7, 2009	4	3.2	7.1	250	4.0	39.2	59
May 8, 2009	3	2.0	4.4	270	4.1	39.4	58
May 9, 2009	4	1.6	3.5	176	5.0	41.1	52
May 10, 2009	5	1.6	3.5	246	6.5	43.6	53
May 11, 2009	9	2.3	5.1	259	8.3	47.0	53
May 12, 2009	4	2.8	6.4	233	1.8	35.3	68
May 13, 2009	2	3.8	8.4	225	5.4	41.6	46
May 14, 2009	5	4.0	9.0	200	7.6	45.6	58
May 15, 2009	2	1.5	3.3	332	7.1	44.9	55
May 16, 2009	9	1.6	3.6	122	10.5	50.9	47
May 17, 2009	8	2.7	6.0	232	15.9	60.6	37
May 18, 2009	14	2.5	5.5	213	18.0	64.5	39
May 19, 2009	20	3.9	8.7	208	15.1	59.2	40
May 20, 2009	5	3.0	6.8	294	8.0	46.3	37
May 21, 2009	9	1.6	3.5	67	8.1	46.6	42
May 22, 2009	8	1.7	3.9	352	10.8	51.5	45
May 23, 2009	10	1.9	4.4	174	14.7	58.5	48
May 24, 2009	5	1.3	2.9	338	10.4	50.7	83
May 25, 2009	NO DATA	1.5	3.3	133	10.9	51.7	67
May 26, 2009	NO DATA	2.0	4.4	219	13.2	55.8	53
May 27, 2009	-1	2.3	5.2	245	13.9	57.1	49
May 28, 2009	6	2.3	5.2	251	16.0	60.8	45
May 29, 2009	9	1.7	3.7	221	15.7	60.3	58
May 30, 2009	4	1.7	3.8	193	17.6	63.6	54
May 31, 2009	7	2.6	5.8	251	17.4	63.4	42

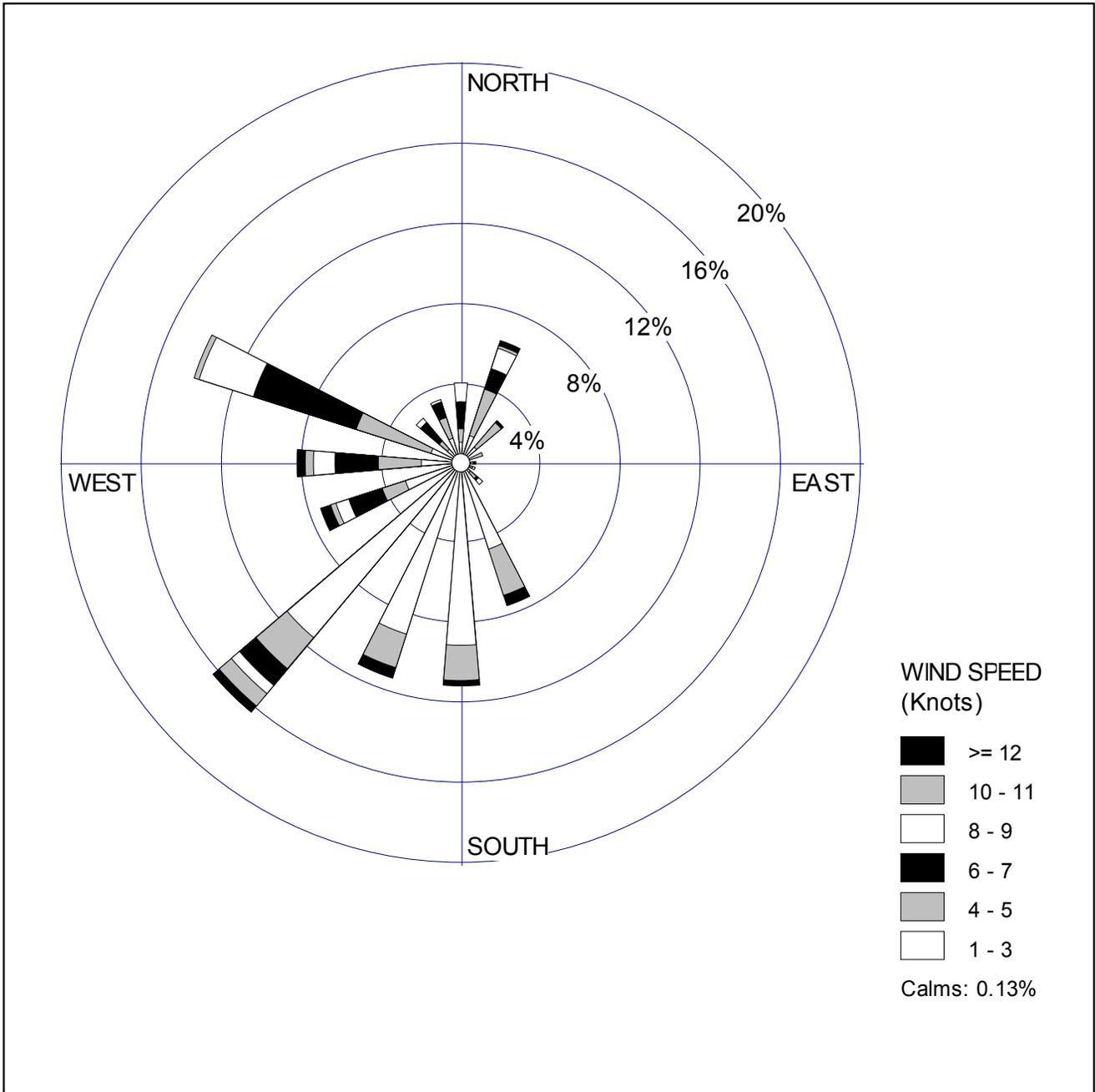


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site May 2009.

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
May 2009

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/1/2009 1:00	17	0.7	1.6	212	-1.5	29.3	79
5/1/2009 2:00	5	0.9	2.0	143	-1.9	28.6	82
5/1/2009 3:00	0	0.9	2.0	192	-2.2	28.0	82
5/1/2009 4:00	4	0.7	1.6	225	-3.2	26.2	84
5/1/2009 5:00	1	1.1	2.5	236	-3.6	25.5	79
5/1/2009 6:00	16	0.9	2.0	226	-3.7	25.3	79
5/1/2009 7:00	13	1.3	2.9	215	-2.3	27.9	69
5/1/2009 8:00	10	1.7	3.8	180	-0.3	31.5	65
5/1/2009 9:00	1	2.2	4.9	157	1.9	35.4	61
5/1/2009 10:00	4	2.1	4.7	153	4.3	39.7	55
5/1/2009 11:00	6	2.5	5.6	155	5.8	42.4	50
5/1/2009 12:00	9	2.2	4.9	159	6.9	44.4	42
5/1/2009 13:00	BA	2.2	4.9	141	8.1	46.6	38
5/1/2009 14:00	10	1.9	4.3	154	8.9	48.0	35
5/1/2009 15:00	7	1.9	4.3	182	9.3	48.7	34
5/1/2009 16:00	9	2.1	4.7	159	10.0	50.0	34
5/1/2009 17:00	6	2.0	4.5	156	10.1	50.2	35
5/1/2009 18:00	4	1.5	3.4	140	10.0	50.0	36
5/1/2009 19:00	5	1.0	2.2	152	9.4	48.9	38
5/1/2009 20:00	10	0.6	1.3	280	7.3	45.1	46
5/1/2009 21:00	10	0.8	1.8	157	4.1	39.4	59
5/1/2009 22:00	-1	1.1	2.5	225	1.7	35.1	70
5/1/2009 23:00	1	1.1	2.5	225	-0.2	31.6	78
5/2/2009 0:00	14	0.8	1.8	217	-1.4	29.5	80
5/2/2009 1:00	16	0.4	0.9	279	-3.3	26.1	87
5/2/2009 2:00	4	0.5	1.1	211	-4.0	24.8	88
5/2/2009 3:00	21	0.7	1.6	228	-3.9	25.0	87
5/2/2009 4:00	1	0.5	1.1	216	-3.5	25.7	84
5/2/2009 5:00	-2	0.8	1.8	220	-3.6	25.5	83
5/2/2009 6:00	11	0.7	1.6	214	-4.4	24.1	83
5/2/2009 7:00	16	0.9	2.0	211	-1.1	30.0	70
5/2/2009 8:00	-1	1.1	2.5	166	2.7	36.9	63
5/2/2009 9:00	1	0.9	2.0	215	5.6	42.1	48
5/2/2009 10:00	-1	1.3	2.9	46	7.6	45.7	41
5/2/2009 11:00	6	2.0	4.5	36	8.7	47.7	44
5/2/2009 12:00	5	1.8	4.0	21	9.9	49.8	40
5/2/2009 13:00	7	1.6	3.6	223	12.0	53.6	35
5/2/2009 14:00	6	2.1	4.7	3	13.1	55.6	35
5/2/2009 15:00	-1	2.1	4.7	56	14.1	57.4	33
5/2/2009 16:00	23	2.7	6.0	158	14.8	58.6	27
5/2/2009 17:00	17	3.2	7.2	159	13.9	57.0	26
5/2/2009 18:00	13	2.9	6.5	160	13.0	55.4	27
5/2/2009 19:00	10	2.3	5.1	65	11.6	52.9	37
5/2/2009 20:00	14	1.8	4.0	20	9.8	49.6	43
5/2/2009 21:00	14	1.0	2.2	327	8.3	46.9	46
5/2/2009 22:00	29	1.7	3.8	217	8.2	46.8	53
5/2/2009 23:00	8	1.8	4.0	194	7.7	45.9	63
5/3/2009 0:00	-3	2.0	4.5	206	6.4	43.5	74
5/3/2009 1:00	-4	1.8	4.0	172	5.1	41.2	83
5/3/2009 2:00	3	1.0	2.2	173	4.3	39.7	86
5/3/2009 3:00	2	1.6	3.6	171	4.1	39.4	86
5/3/2009 4:00	-3	1.7	3.8	175	3.4	38.1	86
5/3/2009 5:00	4	1.6	3.6	168	2.7	36.9	87
5/3/2009 6:00	-5	1.7	3.8	186	2.3	36.1	87
5/3/2009 7:00	19	1.8	4.0	201	3.9	39.0	79
5/3/2009 8:00	17	3.2	7.2	153	6.9	44.4	72
5/3/2009 9:00	2	3.2	7.2	146	8.7	47.7	67
5/3/2009 10:00	9	2.7	6.0	189	10.3	50.5	56
5/3/2009 11:00	5	4.0	8.9	235	11.1	52.0	52
5/3/2009 12:00	9	3.3	7.4	207	12.3	54.1	46
5/3/2009 13:00	6	4.3	9.6	137	13.3	55.9	47
5/3/2009 14:00	18	4.3	9.6	136	13.5	56.3	47
5/3/2009 15:00	8	3.0	6.7	147	11.3	52.3	61
5/3/2009 16:00	-3	2.6	5.8	253	9.4	48.9	65
5/3/2009 17:00	-1	3.7	8.3	277	6.4	43.5	78
5/3/2009 18:00	7	1.2	2.7	152	5.7	42.3	83
5/3/2009 19:00	-5	1.0	2.2	150	6.0	42.8	81
5/3/2009 20:00	-5	1.4	3.1	339	5.3	41.5	87
5/3/2009 21:00	-5	1.8	4.0	339	4.9	40.8	87
5/3/2009 22:00	-5	2.4	5.4	297	3.7	38.7	85
5/3/2009 23:00	-5	2.1	4.7	286	3.4	38.1	84
5/4/2009 0:00	12	2.5	5.6	297	3.5	38.3	79
5/4/2009 1:00	-5	3.3	7.4	291	3.7	38.7	70
5/4/2009 2:00	12	2.7	6.0	288	3.5	38.3	67
5/4/2009 3:00	-3	3.5	7.8	277	3.0	37.4	58
5/4/2009 4:00	10	1.5	3.4	239	2.3	36.1	64

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/4/2009 5:00	3	1.6	3.6	210	1.6	34.9	64
5/4/2009 6:00	3	1.4	3.1	232	1.0	33.8	64
5/4/2009 7:00	1	3.3	7.4	247	2.1	35.8	59
5/4/2009 8:00	-3	1.7	3.8	275	3.9	39.0	49
5/4/2009 9:00	10	3.3	7.4	287	5.2	41.4	50
5/4/2009 10:00	9	4.0	8.9	290	6.3	43.3	47
5/4/2009 11:00	-4	4.1	9.2	283	7.4	45.3	44
5/4/2009 12:00	16	3.9	8.7	298	8.7	47.7	39
5/4/2009 13:00	1	3.0	6.7	304	9.4	48.9	34
5/4/2009 14:00	7	2.5	5.6	240	10.0	50.0	32
5/4/2009 15:00	3	2.8	6.3	231	10.3	50.5	32
5/4/2009 16:00	8	2.6	5.8	235	11.8	53.2	28
5/4/2009 17:00	AM	3.0	6.7	225	12.5	54.5	24
5/4/2009 18:00	11	2.3	5.1	221	11.8	53.2	27
5/4/2009 19:00	5	1.5	3.4	213	11.0	51.8	32
5/4/2009 20:00	15	1.1	2.5	208	9.8	49.6	34
5/4/2009 21:00	7	1.0	2.2	219	7.1	44.8	43
5/4/2009 22:00	11	1.4	3.1	220	5.3	41.5	52
5/4/2009 23:00	8	1.1	2.5	221	5.4	41.7	53
5/5/2009 0:00	17	2.5	5.6	221	7.0	44.6	59
5/5/2009 1:00	18	2.4	5.4	185	5.4	41.7	75
5/5/2009 2:00	14	3.2	7.2	176	5.5	41.9	73
5/5/2009 3:00	-3	2.7	6.0	191	5.4	41.7	74
5/5/2009 4:00	8	2.3	5.1	200	5.6	42.1	74
5/5/2009 5:00	-4	2.1	4.7	211	5.8	42.4	73
5/5/2009 6:00	9	2.4	5.4	215	6.5	43.7	69
5/5/2009 7:00	4	2.7	6.0	213	8.1	46.6	61
5/5/2009 8:00	1	2.8	6.3	208	9.2	48.6	58
5/5/2009 9:00	15	3.1	6.9	201	10.2	50.4	56
5/5/2009 10:00	13	3.8	8.5	219	11.6	52.9	52
5/5/2009 11:00	31	6.5	14.5	242	12.4	54.3	49
5/5/2009 12:00	62	6.8	15.2	237	12.7	54.9	46
5/5/2009 13:00	57	8.0	17.9	242	13.5	56.3	43
5/5/2009 14:00	66	6.8	15.2	280	11.5	52.7	51
5/5/2009 15:00	6	5.3	11.9	292	5.8	42.4	76
5/5/2009 16:00	-1	3.6	8.1	304	7.3	45.1	64
5/5/2009 17:00	-5	3.7	8.3	299	7.4	45.3	64
5/5/2009 18:00	5	3.6	8.1	291	8.4	47.1	57
5/5/2009 19:00	9	3.1	6.9	280	7.8	46.0	59
5/5/2009 20:00	0	1.2	2.7	6	6.2	43.2	67
5/5/2009 21:00	0	1.7	3.8	247	5.7	42.3	68
5/5/2009 22:00	7	1.2	2.7	253	5.0	41.0	70
5/5/2009 23:00	0	2.8	6.3	296	5.0	41.0	66
5/6/2009 0:00	1	1.5	3.4	230	4.6	40.3	68
5/6/2009 1:00	4	3.1	6.9	245	5.0	41.0	63
5/6/2009 2:00	-5	1.3	2.9	306	3.5	38.3	67
5/6/2009 3:00	13	1.4	3.1	158	2.3	36.1	71
5/6/2009 4:00	3	1.2	2.7	159	3.0	37.4	68
5/6/2009 5:00	0	1.0	2.2	199	3.1	37.6	68
5/6/2009 6:00	7	1.9	4.3	201	3.5	38.3	67
5/6/2009 7:00	3	1.2	2.7	168	4.1	39.4	66
5/6/2009 8:00	4	1.5	3.4	201	6.1	43.0	57
5/6/2009 9:00	-1	2.0	4.5	218	7.7	45.9	52
5/6/2009 10:00	17	2.4	5.4	219	9.1	48.4	49
5/6/2009 11:00	5	3.0	6.7	224	8.8	47.8	54
5/6/2009 12:00	4	2.5	5.6	261	9.0	48.2	56
5/6/2009 13:00	13	2.4	5.4	302	9.0	48.2	60
5/6/2009 14:00	3	2.6	5.8	286	8.6	47.5	68
5/6/2009 15:00	-5	3.4	7.6	338	6.2	43.2	83
5/6/2009 16:00	20	2.9	6.5	299	8.6	47.5	68
5/6/2009 17:00	3	4.5	10.1	287	10.0	50.0	58
5/6/2009 18:00	3	4.3	9.6	283	9.3	48.7	58
5/6/2009 19:00	3	2.8	6.3	302	9.4	48.9	56
5/6/2009 20:00	1	1.5	3.4	288	7.6	45.7	63
5/6/2009 21:00	-3	0.6	1.3	197	5.2	41.4	72
5/6/2009 22:00	3	0.9	2.0	179	4.7	40.5	75
5/6/2009 23:00	9	1.7	3.8	221	6.2	43.2	71
5/7/2009 0:00	-5	2.4	5.4	258	6.0	42.8	71
5/7/2009 1:00	4	1.3	2.9	169	4.7	40.5	75
5/7/2009 2:00	-5	0.8	1.8	183	3.7	38.7	78
5/7/2009 3:00	15	2.3	5.1	245	4.1	39.4	71
5/7/2009 4:00	12	2.3	5.1	243	4.2	39.6	65
5/7/2009 5:00	-5	1.0	2.2	171	2.7	36.9	69
5/7/2009 6:00	13	1.3	2.9	176	3.3	37.9	68
5/7/2009 7:00	8	2.8	6.3	234	4.4	39.9	62
5/7/2009 8:00	14	4.7	10.5	242	5.1	41.2	61
5/7/2009 9:00	9	5.7	12.8	242	6.1	43.0	59
5/7/2009 10:00	22	3.7	8.3	246	6.1	43.0	59
5/7/2009 11:00	-3	4.1	9.2	11	4.3	39.7	72
5/7/2009 12:00	24	4.1	9.2	29	2.2	36.0	79
5/7/2009 13:00	12	2.8	6.3	341	2.1	35.8	78

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/7/2009 14:00	37	4.4	9.8	294	5.4	41.7	56
5/7/2009 15:00	20	5.3	11.9	282	4.3	39.7	58
5/7/2009 16:00	3	4.9	11.0	272	4.2	39.6	53
5/7/2009 17:00	15	5.2	11.6	258	2.9	37.2	61
5/7/2009 18:00	7	4.5	10.1	273	4.8	40.6	42
5/7/2009 19:00	13	4.3	9.6	282	3.8	38.8	46
5/7/2009 20:00	2	2.5	5.6	281	2.1	35.8	54
5/7/2009 21:00	2	2.9	6.5	299	1.8	35.2	55
5/7/2009 22:00	7	2.4	5.4	296	1.7	35.1	57
5/7/2009 23:00	-2	1.3	2.9	301	1.4	34.5	58
5/8/2009 0:00	3	1.4	3.1	278	1.1	34.0	59
5/8/2009 1:00	0	1.0	2.2	308	1.2	34.2	60
5/8/2009 2:00	1	1.2	2.7	272	1.7	35.1	58
5/8/2009 3:00	7	2.0	4.5	294	2.2	36.0	57
5/8/2009 4:00	12	2.1	4.7	293	2.1	35.8	61
5/8/2009 5:00	-5	2.6	5.8	292	1.5	34.7	68
5/8/2009 6:00	10	2.4	5.4	269	1.3	34.3	71
5/8/2009 7:00	-2	1.9	4.3	291	1.6	34.9	71
5/8/2009 8:00	11	2.6	5.8	280	2.9	37.2	66
5/8/2009 9:00	2	3.5	7.8	285	4.9	40.8	56
5/8/2009 10:00	5	3.6	8.1	292	5.3	41.5	55
5/8/2009 11:00	16	3.2	7.2	296	4.7	40.5	58
5/8/2009 12:00	7	2.6	5.8	298	3.5	38.3	66
5/8/2009 13:00	0	2.2	4.9	103	4.0	39.2	68
5/8/2009 14:00	2	2.3	5.1	82	6.3	43.3	61
5/8/2009 15:00	0	2.1	4.7	40	7.6	45.7	52
5/8/2009 16:00	0	2.4	5.4	40	7.6	45.7	50
5/8/2009 17:00	-5	2.1	4.7	34	8.6	47.5	47
5/8/2009 18:00	6	3.0	6.7	294	9.4	48.9	41
5/8/2009 19:00	3	3.2	7.2	292	8.1	46.6	43
5/8/2009 20:00	6	2.9	6.5	289	6.0	42.8	49
5/8/2009 21:00	0	2.9	6.5	290	5.0	41.0	50
5/8/2009 22:00	13	1.2	2.7	229	2.7	36.9	59
5/8/2009 23:00	0	0.8	1.8	176	0.2	32.4	67
5/9/2009 0:00	20	1.1	2.5	227	-0.9	30.4	72
5/9/2009 1:00	-5	0.9	2.0	155	-2.7	27.1	77
5/9/2009 2:00	22	0.9	2.0	202	-2.5	27.5	78
5/9/2009 3:00	-2	0.7	1.6	186	-3.3	26.1	81
5/9/2009 4:00	-5	0.9	2.0	198	-3.3	26.1	80
5/9/2009 5:00	28	1.0	2.2	192	-3.6	25.5	80
5/9/2009 6:00	-5	1.0	2.2	189	-3.5	25.7	79
5/9/2009 7:00	-4	1.2	2.7	160	-0.4	31.3	70
5/9/2009 8:00	-1	1.2	2.7	156	3.1	37.6	60
5/9/2009 9:00	-1	1.0	2.2	94	5.4	41.7	53
5/9/2009 10:00	3	1.5	3.4	11	6.8	44.2	46
5/9/2009 11:00	0	1.9	4.3	356	7.9	46.2	41
5/9/2009 12:00	3	2.0	4.5	32	9.3	48.7	34
5/9/2009 13:00	-4	1.8	4.0	30	10.6	51.1	27
5/9/2009 14:00	4	1.8	4.0	72	12.2	54.0	24
5/9/2009 15:00	1	2.3	5.1	346	11.8	53.2	24
5/9/2009 16:00	7	2.2	4.9	336	13.1	55.6	23
5/9/2009 17:00	1	1.9	4.3	37	12.9	55.2	24
5/9/2009 18:00	-1	2.9	6.5	16	11.5	52.7	31
5/9/2009 19:00	2	2.3	5.1	342	10.0	50.0	36
5/9/2009 20:00	28	0.8	1.8	259	8.3	46.9	43
5/9/2009 21:00	48	1.0	2.2	180	5.9	42.6	53
5/9/2009 22:00	22	1.1	2.5	199	3.9	39.0	60
5/9/2009 23:00	8	1.0	2.2	205	2.1	35.8	64
5/10/2009 0:00	13	1.2	2.7	228	1.7	35.1	62
5/10/2009 1:00	-1	0.7	1.6	209	-1.0	30.2	73
5/10/2009 2:00	16	0.8	1.8	198	-2.0	28.4	77
5/10/2009 3:00	7	1.0	2.2	215	-2.1	28.2	78
5/10/2009 4:00	20	0.6	1.3	216	-2.6	27.3	80
5/10/2009 5:00	-5	0.9	2.0	204	-3.1	26.4	79
5/10/2009 6:00	21	1.0	2.2	185	-2.0	28.4	76
5/10/2009 7:00	7	1.2	2.7	193	1.0	33.8	65
5/10/2009 8:00	5	1.5	3.4	179	5.3	41.5	53
5/10/2009 9:00	11	2.1	4.7	158	8.4	47.1	44
5/10/2009 10:00	4	1.6	3.6	146	11.0	51.8	35
5/10/2009 11:00	4	1.5	3.4	42	12.5	54.5	31
5/10/2009 12:00	6	2.7	6.0	281	12.3	54.1	32
5/10/2009 13:00	5	3.7	8.3	276	13.6	56.5	28
5/10/2009 14:00	3	3.0	6.7	296	13.7	56.7	29
5/10/2009 15:00	15	3.1	6.9	336	14.1	57.4	30
5/10/2009 16:00	-2	2.8	6.3	11	13.3	55.9	33
5/10/2009 17:00	6	3.4	7.6	15	14.1	57.4	30
5/10/2009 18:00	3	3.5	7.8	11	13.6	56.5	32
5/10/2009 19:00	12	3.2	7.2	18	12.3	54.1	35
5/10/2009 20:00	10	1.3	2.9	337	10.3	50.5	41
5/10/2009 21:00	17	1.0	2.2	247	6.9	44.4	50
5/10/2009 22:00	18	0.9	2.0	226	3.5	38.3	62

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/10/2009 23:00	16	1.1	2.5	223	2.7	36.9	64
5/11/2009 0:00	-5	1.0	2.2	200	0.8	33.4	70
5/11/2009 1:00	16	1.0	2.2	233	-0.3	31.5	74
5/11/2009 2:00	-1	0.9	2.0	220	-1.6	29.1	78
5/11/2009 3:00	12	1.0	2.2	224	-1.1	30.0	75
5/11/2009 4:00	11	1.1	2.5	216	-0.3	31.5	72
5/11/2009 5:00	3	1.9	4.3	195	1.8	35.2	67
5/11/2009 6:00	10	1.7	3.8	193	2.0	35.6	65
5/11/2009 7:00	46	2.6	5.8	181	4.6	40.3	57
5/11/2009 8:00	52	2.5	5.6	188	8.5	47.3	48
5/11/2009 9:00	21	2.0	4.5	180	11.1	52.0	41
5/11/2009 10:00	33	2.9	6.5	246	13.2	55.8	37
5/11/2009 11:00	14	3.0	6.7	283	14.9	58.8	34
5/11/2009 12:00	17	3.1	6.9	289	14.6	58.3	33
5/11/2009 13:00	29	3.1	6.9	293	15.1	59.2	31
5/11/2009 14:00	18	3.3	7.4	296	15.7	60.3	29
5/11/2009 15:00	27	2.8	6.3	307	15.7	60.3	28
5/11/2009 16:00	17	3.2	7.2	298	16.2	61.2	28
5/11/2009 17:00	557	4.5	10.1	301	14.9	58.8	33
5/11/2009 18:00	20	4.4	9.8	303	11.0	51.8	55
5/11/2009 19:00	19	4.7	10.5	297	9.9	49.8	54
5/11/2009 20:00	4	2.9	6.5	319	8.7	47.7	57
5/11/2009 21:00	7	3.5	7.8	294	9.0	48.2	49
5/11/2009 22:00	6	1.6	3.6	329	8.3	46.9	53
5/11/2009 23:00	14	0.9	2.0	235	7.1	44.8	57
5/12/2009 0:00	15	1.1	2.5	189	4.1	39.4	68
5/12/2009 1:00	8	1.0	2.2	226	1.8	35.2	75
5/12/2009 2:00	-5	1.4	3.1	193	1.5	34.7	77
5/12/2009 3:00	21	0.9	2.0	215	1.1	34.0	78
5/12/2009 4:00	3	1.3	2.9	169	1.4	34.5	78
5/12/2009 5:00	0	0.8	1.8	212	1.2	34.2	80
5/12/2009 6:00	33	1.0	2.2	269	2.1	35.8	79
5/12/2009 7:00	0	1.2	2.7	176	2.1	35.8	83
5/12/2009 8:00	15	0.8	1.8	148	0.6	33.1	89
5/12/2009 9:00	0	0.9	2.0	343	0.3	32.5	91
5/12/2009 10:00	-3	2.3	5.1	47	1.0	33.8	87
5/12/2009 11:00	28	1.5	3.4	73	1.0	33.8	87
5/12/2009 12:00	3	1.6	3.6	103	2.7	36.9	75
5/12/2009 13:00	30	4.0	8.9	306	1.8	35.2	76
5/12/2009 14:00	18	6.2	13.9	277	1.8	35.2	69
5/12/2009 15:00	34	5.0	11.2	275	2.8	37.0	60
5/12/2009 16:00	5	4.7	10.5	285	4.3	39.7	51
5/12/2009 17:00	30	5.7	12.8	272	1.6	34.9	65
5/12/2009 18:00	0	5.5	12.3	266	2.8	37.0	50
5/12/2009 19:00	2	4.6	10.3	275	2.6	36.7	48
5/12/2009 20:00	-2	4.9	11.0	251	1.1	34.0	50
5/12/2009 21:00	2	3.0	6.7	277	0.6	33.1	49
5/12/2009 22:00	1	2.0	4.5	313	-0.7	30.7	59
5/12/2009 23:00	5	2.4	5.4	263	-0.4	31.3	55
5/13/2009 0:00	1	2.6	5.8	262	-0.4	31.3	53
5/13/2009 1:00	0	2.6	5.8	283	-0.3	31.5	55
5/13/2009 2:00	6	3.7	8.3	253	-0.3	31.5	56
5/13/2009 3:00	-5	4.8	10.7	242	-0.6	30.9	60
5/13/2009 4:00	17	3.3	7.4	244	-0.5	31.1	62
5/13/2009 5:00	3	3.0	6.7	256	0.0	32.0	59
5/13/2009 6:00	2	3.0	6.7	257	0.3	32.5	58
5/13/2009 7:00	3	1.6	3.6	273	0.7	33.3	58
5/13/2009 8:00	-5	1.2	2.7	85	1.5	34.7	56
5/13/2009 9:00	1	2.4	5.4	273	3.6	38.5	50
5/13/2009 10:00	5	4.6	10.3	280	4.7	40.5	49
5/13/2009 11:00	-5	4.3	9.6	279	5.8	42.4	46
5/13/2009 12:00	8	3.2	7.2	267	6.5	43.7	44
5/13/2009 13:00	0	3.5	7.8	240	7.3	45.1	42
5/13/2009 14:00	7	3.3	7.4	230	8.7	47.7	38
5/13/2009 15:00	3	3.5	7.8	225	9.8	49.6	36
5/13/2009 16:00	2	3.3	7.4	226	10.9	51.6	32
5/13/2009 17:00	7	3.8	8.5	241	11.1	52.0	30
5/13/2009 18:00	4	4.1	9.2	244	11.1	52.0	28
5/13/2009 19:00	6	2.8	6.3	245	10.7	51.3	28
5/13/2009 20:00	24	1.2	2.7	222	8.7	47.7	38
5/13/2009 21:00	16	0.8	1.8	191	6.7	44.1	53
5/13/2009 22:00	8	1.1	2.5	206	5.7	42.3	53
5/13/2009 23:00	6	1.3	2.9	192	5.1	41.2	53
5/14/2009 0:00	3	1.3	2.9	186	4.4	39.9	55
5/14/2009 1:00	6	1.7	3.8	186	5.6	42.1	46
5/14/2009 2:00	2	1.9	4.3	189	6.4	43.5	42
5/14/2009 3:00	2	1.9	4.3	194	5.8	42.4	46
5/14/2009 4:00	12	2.2	4.9	203	5.4	41.7	52
5/14/2009 5:00	8	2.8	6.3	211	5.8	42.4	55
5/14/2009 6:00	14	3.5	7.8	220	5.8	42.4	61

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/14/2009 7:00	1	2.5	5.6	198	5.5	41.9	66
5/14/2009 8:00	9	3.2	7.2	209	6.1	43.0	64
5/14/2009 9:00	19	4.2	9.4	225	7.1	44.8	62
5/14/2009 10:00	40	5.7	12.8	231	8.5	47.3	59
5/14/2009 11:00	7	5.2	11.6	231	10.8	51.4	54
5/14/2009 12:00	9	5.0	11.2	229	12.7	54.9	44
5/14/2009 13:00	18	4.1	9.2	221	13.6	56.5	42
5/14/2009 14:00	45	5.1	11.4	234	13.8	56.8	42
5/14/2009 15:00	3	4.5	10.1	266	7.9	46.2	70
5/14/2009 16:00	3	3.1	6.9	256	10.8	51.4	59
5/14/2009 17:00	24	4.1	9.2	256	10.4	50.7	57
5/14/2009 18:00	0	3.4	7.6	294	7.7	45.9	68
5/14/2009 19:00	-5	4.0	8.9	311	7.6	45.7	64
5/14/2009 20:00	12	3.7	8.3	280	5.5	41.9	72
5/14/2009 21:00	9	2.9	6.5	293	5.8	42.4	67
5/14/2009 22:00	-5	1.9	4.3	290	4.8	40.6	70
5/14/2009 23:00	23	2.0	4.5	331	3.8	38.8	74
5/15/2009 0:00	6	1.6	3.6	341	3.6	38.5	74
5/15/2009 1:00	-5	2.3	5.1	311	3.7	38.7	74
5/15/2009 2:00	5	1.7	3.8	289	2.6	36.7	82
5/15/2009 3:00	-2	0.8	1.8	274	2.1	35.8	84
5/15/2009 4:00	0	1.1	2.5	169	0.8	33.4	86
5/15/2009 5:00	27	0.8	1.8	195	1.1	34.0	83
5/15/2009 6:00	-4	0.9	2.0	248	0.9	33.6	83
5/15/2009 7:00	3	0.8	1.8	316	1.4	34.5	84
5/15/2009 8:00	-3	0.9	2.0	115	4.4	39.9	70
5/15/2009 9:00	1	2.4	5.4	278	7.2	45.0	50
5/15/2009 10:00	4	2.8	6.3	300	8.8	47.8	40
5/15/2009 11:00	-1	3.3	7.4	314	9.8	49.6	36
5/15/2009 12:00	0	3.2	7.2	319	10.9	51.6	33
5/15/2009 13:00	6	3.3	7.4	327	12.1	53.8	31
5/15/2009 14:00	7	3.1	6.9	324	13.1	55.6	29
5/15/2009 15:00	4	3.5	7.8	357	13.9	57.0	28
5/15/2009 16:00	1	3.6	8.1	331	14.4	57.9	24
5/15/2009 17:00	9	4.0	8.9	14	14.3	57.7	30
5/15/2009 18:00	11	4.0	8.9	28	13.5	56.3	32
5/15/2009 19:00	6	3.8	8.5	24	12.3	54.1	35
5/15/2009 20:00	9	2.1	4.7	355	10.4	50.7	43
5/15/2009 21:00	27	1.0	2.2	262	7.6	45.7	51
5/15/2009 22:00	13	1.0	2.2	237	4.7	40.5	62
5/15/2009 23:00	13	0.9	2.0	219	2.4	36.3	70
5/16/2009 0:00	15	0.8	1.8	222	1.7	35.1	73
5/16/2009 1:00	-1	0.8	1.8	216	0.3	32.5	77
5/16/2009 2:00	-1	0.9	2.0	206	-0.6	30.9	80
5/16/2009 3:00	16	0.9	2.0	204	-1.0	30.2	82
5/16/2009 4:00	2	1.1	2.5	222	-0.4	31.3	77
5/16/2009 5:00	8	1.2	2.7	218	0.3	32.5	75
5/16/2009 6:00	11	1.2	2.7	207	1.0	33.8	70
5/16/2009 7:00	5	1.8	4.0	183	3.9	39.0	61
5/16/2009 8:00	33	2.7	6.0	164	7.3	45.1	52
5/16/2009 9:00	17	2.2	4.9	181	10.9	51.6	41
5/16/2009 10:00	16	2.3	5.1	194	13.3	55.9	35
5/16/2009 11:00	15	2.4	5.4	223	14.8	58.6	30
5/16/2009 12:00	12	1.7	3.8	163	17.1	62.8	27
5/16/2009 13:00	16	1.6	3.6	228	18.8	65.8	22
5/16/2009 14:00	23	2.3	5.1	334	19.8	67.6	21
5/16/2009 15:00	14	2.7	6.0	62	20.0	68.0	25
5/16/2009 16:00	19	3.4	7.6	323	21.1	70.0	16
5/16/2009 17:00	20	4.3	9.6	294	21.0	69.8	14
5/16/2009 18:00	11	4.3	9.6	295	20.0	68.0	15
5/16/2009 19:00	18	3.1	6.9	298	18.8	65.8	17
5/16/2009 20:00	16	1.8	4.0	326	17.0	62.6	21
5/16/2009 21:00	11	1.7	3.8	323	15.7	60.3	24
5/16/2009 22:00	30	0.9	2.0	221	12.4	54.3	37
5/16/2009 23:00	19	1.2	2.7	214	9.7	49.5	49
5/17/2009 0:00	24	1.2	2.7	197	8.4	47.1	55
5/17/2009 1:00	19	1.1	2.5	188	7.8	46.0	58
5/17/2009 2:00	17	1.1	2.5	194	7.8	46.0	60
5/17/2009 3:00	14	1.1	2.5	159	7.9	46.2	58
5/17/2009 4:00	13	1.2	2.7	183	9.7	49.5	50
5/17/2009 5:00	25	1.3	2.9	180	9.3	48.7	52
5/17/2009 6:00	4	1.0	2.2	169	7.1	44.8	60
5/17/2009 7:00	10	0.9	2.0	178	8.8	47.8	55
5/17/2009 8:00	9	1.4	3.1	188	12.2	54.0	42
5/17/2009 9:00	25	2.5	5.6	208	14.9	58.8	36
5/17/2009 10:00	23	2.7	6.0	223	17.2	63.0	29
5/17/2009 11:00	43	2.2	4.9	212	19.1	66.4	27
5/17/2009 12:00	19	2.5	5.6	227	22.3	72.1	23
5/17/2009 13:00	10	3.0	6.7	278	24.7	76.5	16
5/17/2009 14:00	9	3.9	8.7	298	25.3	77.5	16
5/17/2009 15:00	6	3.3	7.4	297	25.8	78.4	15

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/17/2009 16:00	6	2.8	6.3	285	25.8	78.4	14
5/17/2009 17:00	15	3.0	6.7	290	25.8	78.4	16
5/17/2009 18:00	8	3.1	6.9	281	25.9	78.6	16
5/17/2009 19:00	12	2.5	5.6	295	24.6	76.3	20
5/17/2009 20:00	14	2.2	4.9	287	22.0	71.6	26
5/17/2009 21:00	39	1.5	3.4	236	16.8	62.2	39
5/17/2009 22:00	16	1.0	2.2	187	11.1	52.0	56
5/17/2009 23:00	17	1.1	2.5	212	9.6	49.3	61
5/18/2009 0:00	7	1.0	2.2	202	8.4	47.1	64
5/18/2009 1:00	12	1.1	2.5	232	6.8	44.2	69
5/18/2009 2:00	15	1.3	2.9	194	9.3	48.7	61
5/18/2009 3:00	11	1.3	2.9	231	9.6	49.3	59
5/18/2009 4:00	12	1.4	3.1	216	9.4	48.9	58
5/18/2009 5:00	18	1.6	3.6	213	9.4	48.9	58
5/18/2009 6:00	9	1.9	4.3	203	9.6	49.3	56
5/18/2009 7:00	25	2.6	5.8	184	12.3	54.1	48
5/18/2009 8:00	46	2.4	5.4	182	16.0	60.8	40
5/18/2009 9:00	36	3.0	6.7	148	19.4	66.9	36
5/18/2009 10:00	27	2.7	6.0	183	23.0	73.4	27
5/18/2009 11:00	53	3.1	6.9	213	24.6	76.3	21
5/18/2009 12:00	48	4.3	9.6	227	25.8	78.4	20
5/18/2009 13:00	43	3.2	7.2	218	27.4	81.3	19
5/18/2009 14:00	41	3.8	8.5	239	28.1	82.6	19
5/18/2009 15:00	18	4.3	9.6	268	28.4	83.1	17
5/18/2009 16:00	32	3.5	7.8	270	28.1	82.6	17
5/18/2009 17:00	21	3.4	7.6	276	28.6	83.5	16
5/18/2009 18:00	21	2.6	5.8	266	28.5	83.3	16
5/18/2009 19:00	13	1.9	4.3	282	27.3	81.1	18
5/18/2009 20:00	24	1.3	2.9	288	24.0	75.2	27
5/18/2009 21:00	15	1.5	3.4	259	18.6	65.5	39
5/18/2009 22:00	26	1.3	2.9	200	13.6	56.5	54
5/18/2009 23:00	17	1.4	3.1	235	12.7	54.9	53
5/19/2009 0:00	12	1.3	2.9	230	12.3	54.1	53
5/19/2009 1:00	22	1.3	2.9	233	11.0	51.8	57
5/19/2009 2:00	10	1.1	2.5	193	11.6	52.9	52
5/19/2009 3:00	7	1.3	2.9	207	12.3	54.1	48
5/19/2009 4:00	21	1.4	3.1	223	12.7	54.9	46
5/19/2009 5:00	20	3.0	6.7	241	14.2	57.6	41
5/19/2009 6:00	30	2.4	5.4	225	14.1	57.4	44
5/19/2009 7:00	42	2.1	4.7	242	13.3	55.9	46
5/19/2009 8:00	35	1.6	3.6	262	16.3	61.3	39
5/19/2009 9:00	63	2.6	5.8	227	21.7	71.1	27
5/19/2009 10:00	196	5.9	13.2	232	23.7	74.7	20
5/19/2009 11:00	167	6.5	14.5	232	24.5	76.1	18
5/19/2009 12:00	129	6.4	14.3	234	24.7	76.5	18
5/19/2009 13:00	100	5.7	12.8	230	25.5	77.9	15
5/19/2009 14:00	110	6.6	14.8	233	25.9	78.6	14
5/19/2009 15:00	113	7.1	15.9	237	25.9	78.6	13
5/19/2009 16:00	310	6.8	15.2	263	23.3	73.9	23
5/19/2009 17:00	299	7.7	17.2	36	15.3	59.5	50
5/19/2009 18:00	536	7.8	17.4	32	13.2	55.8	49
5/19/2009 19:00	176	7.5	16.8	30	10.5	50.9	50
5/19/2009 20:00	37	5.3	11.9	19	8.6	47.5	54
5/19/2009 21:00	34	4.3	9.6	21	7.5	45.5	56
5/19/2009 22:00	2	3.2	7.2	340	6.5	43.7	57
5/19/2009 23:00	6	3.6	8.1	7	6.7	44.1	57
5/20/2009 0:00	13	3.7	8.3	3	6.6	43.9	57
5/20/2009 1:00	4	2.9	6.5	21	6.1	43.0	60
5/20/2009 2:00	13	2.7	6.0	29	6.2	43.2	61
5/20/2009 3:00	7	2.5	5.6	16	6.2	43.2	59
5/20/2009 4:00	8	2.7	6.0	31	6.0	42.8	56
5/20/2009 5:00	13	1.6	3.6	343	5.6	42.1	56
5/20/2009 6:00	16	1.9	4.3	33	5.5	41.9	54
5/20/2009 7:00	38	2.4	5.4	349	5.6	42.1	53
5/20/2009 8:00	12	3.2	7.2	301	6.5	43.7	49
5/20/2009 9:00	12	3.5	7.8	291	7.5	45.5	42
5/20/2009 10:00	17	4.0	8.9	294	9.3	48.7	34
5/20/2009 11:00	29	4.4	9.8	299	9.8	49.6	27
5/20/2009 12:00	16	4.4	9.8	303	10.8	51.4	22
5/20/2009 13:00	44	4.4	9.8	301	11.5	52.7	22
5/20/2009 14:00	28	4.5	10.1	301	11.9	53.4	21
5/20/2009 15:00	50	4.9	11.0	301	12.2	54.0	19
5/20/2009 16:00	21	4.2	9.4	301	12.3	54.1	19
5/20/2009 17:00	15	4.4	9.8	301	12.1	53.8	17
5/20/2009 18:00	8	3.7	8.3	307	11.8	53.2	17
5/20/2009 19:00	7	3.2	7.2	309	11.1	52.0	17
5/20/2009 20:00	42	2.0	4.5	340	9.3	48.7	22
5/20/2009 21:00	25	2.5	5.6	26	6.4	43.5	40
5/20/2009 22:00	2	1.9	4.3	17	5.3	41.5	42
5/20/2009 23:00	3	1.1	2.5	244	2.0	35.6	52
5/21/2009 0:00	14	0.9	2.0	210	-1.5	29.3	66

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/21/2009 1:00	5	1.0	2.2	202	-2.4	27.7	68
5/21/2009 2:00	4	0.9	2.0	237	-3.0	26.6	70
5/21/2009 3:00	4	1.1	2.5	231	-3.6	25.5	71
5/21/2009 4:00	4	1.0	2.2	234	-3.1	26.4	69
5/21/2009 5:00	-5	1.0	2.2	177	-4.7	23.5	75
5/21/2009 6:00	14	0.9	2.0	230	-3.1	26.4	69
5/21/2009 7:00	13	1.1	2.5	228	0.9	33.6	53
5/21/2009 8:00	14	1.2	2.7	206	4.7	40.5	44
5/21/2009 9:00	7	1.5	3.4	182	8.1	46.6	33
5/21/2009 10:00	18	1.5	3.4	114	11.5	52.7	24
5/21/2009 11:00	4	1.6	3.6	87	13.1	55.6	23
5/21/2009 12:00	15	1.9	4.3	62	14.5	58.1	21
5/21/2009 13:00	BA	2.3	5.1	57	15.8	60.4	20
5/21/2009 14:00	BA	3.3	7.4	15	17.0	62.6	19
5/21/2009 15:00	BA	3.6	8.1	18	17.8	64.0	19
5/21/2009 16:00	BA	3.7	8.3	21	18.2	64.8	19
5/21/2009 17:00	BA	4.1	9.2	15	18.2	64.8	19
5/21/2009 18:00	BA	4.4	9.8	17	17.6	63.7	20
5/21/2009 19:00	BA	4.5	10.1	13	16.3	61.3	22
5/21/2009 20:00	BA	2.3	5.1	3	13.8	56.8	26
5/21/2009 21:00	BA	1.6	3.6	322	10.3	50.5	35
5/21/2009 22:00	BA	1.0	2.2	243	7.9	46.2	41
5/21/2009 23:00	BA	1.3	2.9	226	5.9	42.6	48
5/22/2009 0:00	BA	1.1	2.5	241	2.6	36.7	62
5/22/2009 1:00	BA	1.1	2.5	235	1.0	33.8	67
5/22/2009 2:00	BA	1.4	3.1	201	0.9	33.6	65
5/22/2009 3:00	BA	0.6	1.3	224	-0.3	31.5	71
5/22/2009 4:00	BA	0.9	2.0	223	-0.4	31.3	70
5/22/2009 5:00	BA	0.7	1.6	197	0.0	32.0	70
5/22/2009 6:00	BA	1.1	2.5	188	0.5	32.9	66
5/22/2009 7:00	BA	1.4	3.1	158	4.1	39.4	55
5/22/2009 8:00	BA	1.0	2.2	178	8.4	47.1	42
5/22/2009 9:00	BA	1.8	4.0	10	10.6	51.1	34
5/22/2009 10:00	BA	1.8	4.0	10	12.2	54.0	32
5/22/2009 11:00	BA	2.0	4.5	44	14.2	57.6	29
5/22/2009 12:00	BA	2.0	4.5	27	16.3	61.3	28
5/22/2009 13:00	BA	1.9	4.3	32	18.0	64.4	24
5/22/2009 14:00	BA	2.1	4.7	17	19.4	66.9	23
5/22/2009 15:00	BA	2.7	6.0	22	20.4	68.7	22
5/22/2009 16:00	BA	3.2	7.2	4	20.9	69.6	21
5/22/2009 17:00	BA	3.9	8.7	9	20.6	69.1	24
5/22/2009 18:00	BA	4.8	10.7	360	19.7	67.5	28
5/22/2009 19:00	BA	4.7	10.5	357	18.6	65.5	31
5/22/2009 20:00	BA	4.3	9.6	353	16.0	60.8	39
5/22/2009 21:00	BA	3.0	6.7	27	13.4	56.1	45
5/22/2009 22:00	BA	1.4	3.1	317	11.5	52.7	53
5/22/2009 23:00	BA	0.7	1.6	227	7.6	45.7	66
5/23/2009 0:00	BA	0.6	1.3	216	4.5	40.1	76
5/23/2009 1:00	BA	1.2	2.7	234	4.1	39.4	77
5/23/2009 2:00	BA	0.9	2.0	223	4.0	39.2	78
5/23/2009 3:00	BA	1.3	2.9	248	4.8	40.6	74
5/23/2009 4:00	BA	1.1	2.5	241	4.1	39.4	77
5/23/2009 5:00	BA	1.0	2.2	240	2.9	37.2	80
5/23/2009 6:00	BA	0.5	1.1	130	1.5	34.7	83
5/23/2009 7:00	BA	1.3	2.9	190	7.1	44.8	65
5/23/2009 8:00	BA	1.6	3.6	180	12.3	54.1	50
5/23/2009 9:00	BA	2.4	5.4	166	15.1	59.2	42
5/23/2009 10:00	BA	2.2	4.9	151	17.9	64.2	37
5/23/2009 11:00	BA	2.0	4.5	155	20.5	68.9	31
5/23/2009 12:00	BA	1.7	3.8	174	22.4	72.3	27
5/23/2009 13:00	BA	1.9	4.3	157	23.8	74.8	22
5/23/2009 14:00	BA	3.6	8.1	7	23.7	74.7	24
5/23/2009 15:00	BA	3.2	7.2	14	24.5	76.1	24
5/23/2009 16:00	BA	4.0	8.9	11	24.3	75.7	23
5/23/2009 17:00	BA	4.5	10.1	9	24.3	75.7	23
5/23/2009 18:00	BA	4.0	8.9	14	23.3	73.9	25
5/23/2009 19:00	BA	3.7	8.3	92	20.7	69.3	32
5/23/2009 20:00	BA	3.8	8.5	183	17.7	63.9	43
5/23/2009 21:00	BA	2.0	4.5	199	15.5	59.9	52
5/23/2009 22:00	BA	1.6	3.6	86	14.9	58.8	57
5/23/2009 23:00	BA	2.1	4.7	276	14.4	57.9	58
5/24/2009 0:00	BA	3.8	8.5	253	13.8	56.8	61
5/24/2009 1:00	BA	3.6	8.1	260	13.3	55.9	64
5/24/2009 2:00	BA	3.0	6.7	270	11.9	53.4	74
5/24/2009 3:00	BA	2.3	5.1	277	11.0	51.8	80
5/24/2009 4:00	BA	1.7	3.8	290	10.6	51.1	83
5/24/2009 5:00	BA	1.4	3.1	295	10.0	50.0	88
5/24/2009 6:00	BA	1.5	3.4	341	9.7	49.5	91
5/24/2009 7:00	BA	1.7	3.8	5	9.9	49.8	90
5/24/2009 8:00	BA	2.5	5.6	28	9.8	49.6	91

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/24/2009 9:00	BA	2.6	5.8	18	9.7	49.5	91
5/24/2009 10:00	BA	2.0	4.5	13	9.6	49.3	91
5/24/2009 11:00	BA	1.6	3.6	4	9.5	49.1	91
5/24/2009 12:00	BA	1.6	3.6	12	9.8	49.6	90
5/24/2009 13:00	BA	1.7	3.8	40	11.1	52.0	85
5/24/2009 14:00	BA	1.3	2.9	17	12.2	54.0	77
5/24/2009 15:00	5	1.5	3.4	33	13.0	55.4	75
5/24/2009 16:00	4	1.5	3.4	37	14.4	57.9	69
5/24/2009 17:00	1	2.1	4.7	44	14.1	57.4	68
5/24/2009 18:00	2	4.1	9.2	8	13.0	55.4	69
5/24/2009 19:00	8	3.8	8.5	9	9.1	48.4	90
5/24/2009 20:00	2	1.3	2.9	258	8.7	47.7	91
5/24/2009 21:00	2	1.4	3.1	233	8.4	47.1	87
5/24/2009 22:00	14	0.9	2.0	181	8.1	46.6	88
5/24/2009 23:00	-5	0.8	1.8	248	7.9	46.2	89
5/25/2009 0:00	12	0.8	1.8	231	7.0	44.6	90
5/25/2009 1:00	6	0.8	1.8	205	5.9	42.6	92
5/25/2009 2:00	9	0.8	1.8	211	4.8	40.6	92
5/25/2009 3:00	0	0.8	1.8	210	4.7	40.5	92
5/25/2009 4:00	13	0.8	1.8	175	4.5	40.1	91
5/25/2009 5:00	-5	0.9	2.0	230	3.8	38.8	92
5/25/2009 6:00	8	0.8	1.8	184	4.0	39.2	92
5/25/2009 7:00	18	1.2	2.7	186	5.8	42.4	85
5/25/2009 8:00	14	2.0	4.5	156	9.5	49.1	77
5/25/2009 9:00	-1	1.3	2.9	158	11.4	52.5	68
5/25/2009 10:00	4	1.1	2.5	35	13.4	56.1	60
5/25/2009 11:00	5	1.4	3.1	31	14.6	58.3	59
5/25/2009 12:00	12	2.4	5.4	55	16.0	60.8	52
5/25/2009 13:00	13	4.1	9.2	114	16.0	60.8	49
5/25/2009 14:00	7	2.6	5.8	60	16.7	62.1	42
5/25/2009 15:00	7	2.6	5.8	23	17.1	62.8	40
5/25/2009 16:00	3	2.3	5.1	345	18.2	64.8	36
5/25/2009 17:00	12	3.0	6.7	8	18.3	64.9	38
5/25/2009 18:00	18	2.6	5.8	48	15.7	60.3	47
5/25/2009 19:00	9	2.0	4.5	197	12.7	54.9	60
5/25/2009 20:00	3	2.1	4.7	235	11.4	52.5	67
5/25/2009 21:00	16	2.8	6.3	240	10.5	50.9	69
5/25/2009 22:00	-2	0.9	2.0	215	9.7	49.5	73
5/25/2009 23:00	2	0.7	1.6	167	8.7	47.7	79
5/26/2009 0:00	-3	1.0	2.2	216	6.7	44.1	86
5/26/2009 1:00	7	0.8	1.8	163	5.5	41.9	87
5/26/2009 2:00	5	1.0	2.2	218	5.7	42.3	87
5/26/2009 3:00	-1	0.7	1.6	187	4.0	39.2	91
5/26/2009 4:00	1	1.2	2.7	198	3.6	38.5	91
5/26/2009 5:00	6	1.1	2.5	201	3.8	38.8	89
5/26/2009 6:00	23	1.0	2.2	216	5.5	41.9	80
5/26/2009 7:00	10	1.4	3.1	202	8.0	46.4	71
5/26/2009 8:00	7	2.0	4.5	177	10.4	50.7	65
5/26/2009 9:00	10	2.5	5.6	161	13.0	55.4	60
5/26/2009 10:00	4	2.3	5.1	159	16.1	61.0	50
5/26/2009 11:00	18	1.8	4.0	164	18.3	64.9	40
5/26/2009 12:00	16	2.3	5.1	230	19.5	67.1	30
5/26/2009 13:00	18	1.8	4.0	189	20.3	68.5	30
5/26/2009 14:00	13	1.7	3.8	135	19.7	67.5	32
5/26/2009 15:00	8	2.2	4.9	139	20.2	68.4	31
5/26/2009 16:00	17	2.7	6.0	300	21.3	70.3	25
5/26/2009 17:00	12	3.6	8.1	284	21.7	71.1	24
5/26/2009 18:00	11	3.4	7.6	291	21.3	70.3	23
5/26/2009 19:00	14	3.4	7.6	286	20.4	68.7	26
5/26/2009 20:00	14	2.2	4.9	286	18.1	64.6	34
5/26/2009 21:00	34	1.3	2.9	241	15.7	60.3	40
5/26/2009 22:00	7	1.5	3.4	256	14.0	57.2	40
5/26/2009 23:00	12	1.8	4.0	278	13.7	56.7	38
5/27/2009 0:00	19	1.1	2.5	263	11.0	51.8	52
5/27/2009 1:00	-4	1.1	2.5	226	6.2	43.2	73
5/27/2009 2:00	12	1.1	2.5	217	5.5	41.9	76
5/27/2009 3:00	2	1.1	2.5	237	4.4	39.9	81
5/27/2009 4:00	16	1.0	2.2	214	3.8	38.8	83
5/27/2009 5:00	-2	1.0	2.2	211	3.5	38.3	83
5/27/2009 6:00	37	1.4	3.1	183	4.5	40.1	80
5/27/2009 7:00	10	1.5	3.4	170	8.3	46.9	67
5/27/2009 8:00	8	1.7	3.8	162	12.2	54.0	55
5/27/2009 9:00	16	1.8	4.0	165	15.4	59.7	44
5/27/2009 10:00	23	2.0	4.5	172	17.4	63.3	36
5/27/2009 11:00	14	1.8	4.0	181	19.0	66.2	32
5/27/2009 12:00	21	2.1	4.7	277	20.2	68.4	29
5/27/2009 13:00	48	BA	BA	BA	20.8	69.4	28
5/27/2009 14:00	52	3.4	7.6	284	21.4	70.5	27
5/27/2009 15:00	65	3.2	7.2	301	22.1	71.8	25
5/27/2009 16:00	51	3.4	7.6	291	22.4	72.3	24
5/27/2009 17:00	BA	3.1	6.9	298	22.4	72.3	24

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/27/2009 18:00	16	3.5	7.8	292	22.0	71.6	23
5/27/2009 19:00	10	3.4	7.6	289	21.0	69.8	24
5/27/2009 20:00	14	2.4	5.4	293	19.1	66.4	28
5/27/2009 21:00	9	1.7	3.8	286	16.4	61.5	33
5/27/2009 22:00	4	1.2	2.7	262	14.0	57.2	40
5/27/2009 23:00	18	0.9	2.0	237	9.8	49.6	57
5/28/2009 0:00	3	1.2	2.7	219	7.4	45.3	67
5/28/2009 1:00	-3	1.0	2.2	199	5.5	41.9	73
5/28/2009 2:00	10	0.9	2.0	220	4.9	40.8	75
5/28/2009 3:00	13	1.2	2.7	186	4.4	39.9	75
5/28/2009 4:00	9	1.4	3.1	181	5.0	41.0	72
5/28/2009 5:00	4	1.1	2.5	215	5.2	41.4	69
5/28/2009 6:00	20	1.1	2.5	196	5.9	42.6	66
5/28/2009 7:00	60	1.6	3.6	159	9.6	49.3	57
5/28/2009 8:00	20	2.2	4.9	157	13.4	56.1	46
5/28/2009 9:00	41	2.0	4.5	159	16.8	62.2	37
5/28/2009 10:00	27	1.7	3.8	165	19.5	67.1	29
5/28/2009 11:00	2	1.6	3.6	179	21.2	70.2	24
5/28/2009 12:00	11	1.9	4.3	110	22.5	72.5	24
5/28/2009 13:00	24	1.9	4.3	287	22.7	72.9	24
5/28/2009 14:00	32	3.0	6.7	285	23.0	73.4	24
5/28/2009 15:00	41	3.0	6.7	291	24.1	75.4	23
5/28/2009 16:00	51	3.3	7.4	304	24.5	76.1	22
5/28/2009 17:00	52	3.4	7.6	328	24.7	76.5	22
5/28/2009 18:00	18	3.2	7.2	298	23.9	75.0	22
5/28/2009 19:00	18	2.7	6.0	296	23.0	73.4	24
5/28/2009 20:00	10	1.5	3.4	332	21.2	70.2	29
5/28/2009 21:00	33	1.1	2.5	237	16.5	61.7	44
5/28/2009 22:00	32	0.8	1.8	206	11.9	53.4	59
5/28/2009 23:00	9	1.2	2.7	177	9.6	49.3	68
5/29/2009 0:00	5	1.2	2.7	225	9.1	48.4	67
5/29/2009 1:00	11	1.3	2.9	217	8.5	47.3	67
5/29/2009 2:00	5	1.2	2.7	213	7.4	45.3	71
5/29/2009 3:00	19	1.2	2.7	224	8.5	47.3	66
5/29/2009 4:00	6	1.1	2.5	216	6.4	43.5	73
5/29/2009 5:00	-1	1.1	2.5	207	7.0	44.6	71
5/29/2009 6:00	19	1.2	2.7	181	7.7	45.9	67
5/29/2009 7:00	15	1.6	3.6	167	11.0	51.8	58
5/29/2009 8:00	9	1.9	4.3	160	14.7	58.5	49
5/29/2009 9:00	30	1.5	3.4	166	18.3	64.9	39
5/29/2009 10:00	21	1.4	3.1	69	20.5	68.9	35
5/29/2009 11:00	29	1.8	4.0	33	21.8	71.2	35
5/29/2009 12:00	89	2.1	4.7	21	23.3	73.9	34
5/29/2009 13:00	84	2.2	4.9	57	24.6	76.3	31
5/29/2009 14:00	95	2.2	4.9	41	25.6	78.1	26
5/29/2009 15:00	80	3.1	6.9	358	25.0	77.0	27
5/29/2009 16:00	175	4.4	9.8	338	22.1	71.8	37
5/29/2009 17:00	3	3.0	6.7	268	15.0	59.0	66
5/29/2009 18:00	20	2.0	4.5	259	16.2	61.2	65
5/29/2009 19:00	11	0.7	1.6	168	17.7	63.9	61
5/29/2009 20:00	17	0.8	1.8	216	16.9	62.4	63
5/29/2009 21:00	-5	1.4	3.1	254	14.1	57.4	74
5/29/2009 22:00	28	1.1	2.5	251	13.0	55.4	79
5/29/2009 23:00	6	1.2	2.7	231	11.8	53.2	78
5/30/2009 0:00	10	0.9	2.0	213	10.5	50.9	82
5/30/2009 1:00	10	1.2	2.7	212	9.7	49.5	84
5/30/2009 2:00	9	1.1	2.5	223	9.5	49.1	80
5/30/2009 3:00	-3	1.3	2.9	199	10.1	50.2	75
5/30/2009 4:00	13	1.7	3.8	185	9.6	49.3	76
5/30/2009 5:00	0	1.8	4.0	188	9.9	49.8	73
5/30/2009 6:00	15	1.6	3.6	197	9.9	49.8	71
5/30/2009 7:00	4	2.0	4.5	176	12.6	54.7	62
5/30/2009 8:00	4	1.8	4.0	181	15.1	59.2	59
5/30/2009 9:00	15	1.7	3.8	200	17.5	63.5	51
5/30/2009 10:00	20	1.6	3.6	180	18.8	65.8	50
5/30/2009 11:00	8	1.7	3.8	159	19.9	67.8	48
5/30/2009 12:00	8	1.1	2.5	55	21.4	70.5	43
5/30/2009 13:00	68	2.4	5.4	24	22.2	72.0	40
5/30/2009 14:00	133	2.1	4.7	36	23.7	74.7	36
5/30/2009 15:00	30	1.6	3.6	45	24.7	76.5	32
5/30/2009 16:00	33	2.3	5.1	32	24.8	76.6	34
5/30/2009 17:00	43	2.8	6.3	31	25.0	77.0	33
5/30/2009 18:00	62	1.6	3.6	11	25.2	77.4	32
5/30/2009 19:00	22	2.5	5.6	282	23.7	74.7	31
5/30/2009 20:00	24	1.5	3.4	289	21.9	71.4	35
5/30/2009 21:00	30	1.7	3.8	264	17.9	64.2	44
5/30/2009 22:00	30	1.1	2.5	148	14.4	57.9	55
5/30/2009 23:00	14	1.3	2.9	164	12.4	54.3	60
5/31/2009 0:00	18	1.0	2.2	207	11.3	52.3	64
5/31/2009 1:00	18	1.4	3.1	184	10.7	51.3	64

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/31/2009 2:00	12	1.5	3.4	176	9.8	49.6	67
5/31/2009 3:00	5	1.4	3.1	186	9.5	49.1	68
5/31/2009 4:00	13	1.6	3.6	177	9.3	48.7	68
5/31/2009 5:00	16	1.6	3.6	190	9.1	48.4	69
5/31/2009 6:00	1	1.2	2.7	189	9.9	49.8	67
5/31/2009 7:00	13	1.2	2.7	177	11.1	52.0	65
5/31/2009 8:00	3	1.7	3.8	171	13.8	56.8	62
5/31/2009 9:00	3	1.5	3.4	172	17.8	64.0	47
5/31/2009 10:00	15	2.1	4.7	142	20.8	69.4	38
5/31/2009 11:00	14	3.0	6.7	274	22.2	72.0	28
5/31/2009 12:00	16	3.4	7.6	291	23.2	73.8	25
5/31/2009 13:00	10	3.5	7.8	298	23.9	75.0	23
5/31/2009 14:00	28	3.7	8.3	289	24.0	75.2	24
5/31/2009 15:00	19	4.0	8.9	283	23.5	74.3	22
5/31/2009 16:00	18	4.2	9.4	280	23.8	74.8	21
5/31/2009 17:00	14	3.2	7.2	292	23.6	74.5	21
5/31/2009 18:00	17	2.6	5.8	290	23.6	74.5	21
5/31/2009 19:00	21	3.4	7.6	281	22.1	71.8	20
5/31/2009 20:00	13	2.8	6.3	276	19.8	67.6	21
5/31/2009 21:00	7	2.2	4.9	270	16.5	61.7	26
5/31/2009 22:00	51	1.1	2.5	153	13.3	55.9	38
5/31/2009 23:00	6	1.2	2.7	229	13.3	55.9	39
6/1/2009 0:00	16	1.5	3.4	232	12.3	54.1	43

AM = Miscellaneous void
BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
May 2009

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/1/2009 1:00	-4	0.8	1.8	165	-1.8	28.8	82
5/1/2009 2:00	15	1.0	2.2	165	-1.8	28.8	83
5/1/2009 3:00	2	1.0	2.2	185	-2.1	28.2	82
5/1/2009 4:00	-2	1.3	2.9	180	-2.9	26.8	82
5/1/2009 5:00	-3	1.4	3.1	168	-4.0	24.8	83
5/1/2009 6:00	3	1.8	4.0	182	-3.8	25.2	81
5/1/2009 7:00	-5	1.9	4.3	176	-2.6	27.3	74
5/1/2009 8:00	12	2.0	4.5	186	-0.5	31.1	69
5/1/2009 9:00	9	2.7	6.0	194	2.3	36.1	60
5/1/2009 10:00	7	2.4	5.4	184	4.7	40.5	51
5/1/2009 11:00	4	2.1	4.7	136	6.3	43.3	45
5/1/2009 12:00	BA	2.2	4.9	145	7.6	45.7	34
5/1/2009 13:00	12	2.4	5.4	125	8.7	47.7	32
5/1/2009 14:00	0	2.4	5.4	156	9.8	49.6	30
5/1/2009 15:00	5	2.4	5.4	148	10.2	50.4	30
5/1/2009 16:00	2	2.6	5.8	103	10.3	50.5	31
5/1/2009 17:00	2	1.7	3.8	135	10.3	50.5	31
5/1/2009 18:00	-5	1.3	2.9	213	10.1	50.2	31
5/1/2009 19:00	-2	0.5	1.1	267	9.6	49.3	32
5/1/2009 20:00	4	0.9	2.0	338	6.8	44.2	48
5/1/2009 21:00	-5	0.6	1.3	8	2.6	36.7	68
5/1/2009 22:00	-5	0.8	1.8	270	0.6	33.1	75
5/1/2009 23:00	5	1.3	2.9	164	0.2	32.4	77
5/2/2009 0:00	5	1.2	2.7	194	-0.5	31.1	80
5/2/2009 1:00	-1	1.3	2.9	183	-1.3	29.7	82
5/2/2009 2:00	4	1.1	2.5	166	-1.8	28.8	84
5/2/2009 3:00	1	1.2	2.7	181	-2.4	27.7	83
5/2/2009 4:00	10	1.1	2.5	162	-2.4	27.7	83
5/2/2009 5:00	10	1.1	2.5	168	-2.6	27.3	83
5/2/2009 6:00	-5	1.3	2.9	181	-2.8	27.0	83
5/2/2009 7:00	2	1.5	3.4	178	-0.5	31.1	74
5/2/2009 8:00	9	1.6	3.6	183	2.8	37.0	61
5/2/2009 9:00	16	1.1	2.5	204	5.3	41.5	49
5/2/2009 10:00	16	1.3	2.9	26	7.9	46.2	40
5/2/2009 11:00	1	1.5	3.4	6	9.3	48.7	39
5/2/2009 12:00	19	1.4	3.1	5	10.9	51.6	35
5/2/2009 13:00	2	1.8	4.0	288	12.2	54.0	32
5/2/2009 14:00	9	1.6	3.6	303	13.5	56.3	31
5/2/2009 15:00	9	1.9	4.3	16	14.5	58.1	28
5/2/2009 16:00	5	2.2	4.9	352	14.8	58.6	27
5/2/2009 17:00	-3	1.9	4.3	0	14.1	57.4	27
5/2/2009 18:00	-2	2.0	4.5	354	12.8	55.0	32
5/2/2009 19:00	-3	1.6	3.6	2	10.9	51.6	39
5/2/2009 20:00	3	0.9	2.0	15	9.0	48.2	43
5/2/2009 21:00	-2	1.0	2.2	335	7.2	45.0	49
5/2/2009 22:00	2	1.0	2.2	306	6.5	43.7	49
5/2/2009 23:00	5	3.1	6.9	194	7.6	45.7	61
5/3/2009 0:00	4	2.3	5.1	182	6.4	43.5	75
5/3/2009 1:00	15	1.7	3.8	165	5.0	41.0	84
5/3/2009 2:00	5	1.3	2.9	165	4.3	39.7	87
5/3/2009 3:00	8	1.5	3.4	169	4.0	39.2	87
5/3/2009 4:00	2	1.8	4.0	180	3.5	38.3	87
5/3/2009 5:00	3	1.8	4.0	168	2.7	36.9	85
5/3/2009 6:00	3	2.2	4.9	197	2.1	35.8	87
5/3/2009 7:00	11	1.5	3.4	194	4.0	39.2	80
5/3/2009 8:00	-1	2.3	5.1	152	7.5	45.5	66
5/3/2009 9:00	3	2.7	6.0	158	9.2	48.6	58
5/3/2009 10:00	12	3.4	7.6	172	10.8	51.4	53
5/3/2009 11:00	5	5.4	12.1	194	12.4	54.3	45
5/3/2009 12:00	0	5.0	11.2	188	13.4	56.1	41
5/3/2009 13:00	7	4.2	9.4	140	13.6	56.5	42
5/3/2009 14:00	-3	3.8	8.5	140	13.9	57.0	40
5/3/2009 15:00	-3	3.9	8.7	141	12.0	53.6	53
5/3/2009 16:00	-4	2.7	6.0	189	9.9	49.8	63
5/3/2009 17:00	-5	3.6	8.1	243	6.5	43.7	79
5/3/2009 18:00	6	1.6	3.6	178	5.9	42.6	82
5/3/2009 19:00	-1	1.7	3.8	188	6.0	42.8	82
5/3/2009 20:00	6	1.3	2.9	353	5.1	41.2	86
5/3/2009 21:00	-2	1.6	3.6	345	4.8	40.6	86
5/3/2009 22:00	-1	1.4	3.1	174	3.0	37.4	88
5/3/2009 23:00	0	1.3	2.9	163	3.2	37.8	86
5/4/2009 0:00	1	0.6	1.3	75	2.8	37.0	86
5/4/2009 1:00	-5	2.0	4.5	257	2.7	36.9	81
5/4/2009 2:00	-2	4.4	9.8	254	2.9	37.2	73
5/4/2009 3:00	10	3.7	8.3	237	2.4	36.3	68
5/4/2009 4:00	-5	4.2	9.4	244	2.4	36.3	65

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/4/2009 5:00	-1	3.8	8.5	233	2.1	35.8	62
5/4/2009 6:00	-5	4.1	9.2	236	1.4	34.5	64
5/4/2009 7:00	7	5.1	11.4	246	2.6	36.7	60
5/4/2009 8:00	4	6.1	13.6	248	3.8	38.8	54
5/4/2009 9:00	4	5.2	11.6	245	5.5	41.9	49
5/4/2009 10:00	20	4.4	9.8	245	6.7	44.1	45
5/4/2009 11:00	5	3.8	8.5	238	7.3	45.1	42
5/4/2009 12:00	22	4.1	9.2	252	9.3	48.7	35
5/4/2009 13:00	3	3.9	8.7	262	10.2	50.4	30
5/4/2009 14:00	9	2.9	6.5	256	11.0	51.8	29
5/4/2009 15:00	-3	2.6	5.8	189	11.1	52.0	29
5/4/2009 16:00	9	2.6	5.8	192	12.6	54.7	25
5/4/2009 17:00	-5	2.6	5.8	190	11.8	53.2	25
5/4/2009 18:00	-4	3.1	6.9	189	11.8	53.2	26
5/4/2009 19:00	2	2.4	5.4	204	10.8	51.4	32
5/4/2009 20:00	-5	2.3	5.1	198	9.6	49.3	37
5/4/2009 21:00	-1	1.4	3.1	186	7.0	44.6	49
5/4/2009 22:00	-5	1.8	4.0	200	5.1	41.2	55
5/4/2009 23:00	4	2.4	5.4	195	5.6	42.1	55
5/5/2009 0:00	6	5.5	12.3	201	6.9	44.4	58
5/5/2009 1:00	4	3.9	8.7	168	5.7	42.3	71
5/5/2009 2:00	8	4.4	9.8	153	6.0	42.8	70
5/5/2009 3:00	-2	4.6	10.3	158	6.0	42.8	69
5/5/2009 4:00	2	4	8.9	151	6.5	43.7	69
5/5/2009 5:00	-5	3.0	6.7	155	5.9	42.6	71
5/5/2009 6:00	9	2.9	6.5	166	5.9	42.6	71
5/5/2009 7:00	-5	4.0	8.9	182	8.0	46.4	62
5/5/2009 8:00	-1	4.5	10.1	177	8.8	47.8	61
5/5/2009 9:00	12	5.4	12.1	179	10.2	50.4	56
5/5/2009 10:00	6	5.5	12.3	183	11.8	53.2	50
5/5/2009 11:00	-1	7.3	16.3	200	13.3	55.9	44
5/5/2009 12:00	21	7.4	16.6	205	14.2	57.6	40
5/5/2009 13:00	13	7.5	16.8	212	14.7	58.5	38
5/5/2009 14:00	11	4.5	10.1	350	10.3	50.5	56
5/5/2009 15:00	-5	3.2	7.2	281	6.2	43.2	75
5/5/2009 16:00	-1	3.6	8.1	259	7.5	45.5	66
5/5/2009 17:00	-5	4.0	8.9	253	7.9	46.2	61
5/5/2009 18:00	7	4.5	10.1	250	8.3	46.9	57
5/5/2009 19:00	9	2.6	5.8	320	7.8	46.0	59
5/5/2009 20:00	-5	2.0	4.5	73	5.9	42.6	65
5/5/2009 21:00	-5	2.4	5.4	249	6.2	43.2	58
5/5/2009 22:00	0	2.4	5.4	240	5.4	41.7	63
5/5/2009 23:00	-5	1.3	2.9	285	4.1	39.4	71
5/6/2009 0:00	14	0.9	2.0	153	2.7	36.9	79
5/6/2009 1:00	-5	2.4	5.4	186	4.3	39.7	65
5/6/2009 2:00	-3	2.3	5.1	171	4.8	40.6	58
5/6/2009 3:00	-2	2.3	5.1	170	4.9	40.8	56
5/6/2009 4:00	4	2.0	4.5	163	4.6	40.3	59
5/6/2009 5:00	-3	2.1	4.7	208	3.9	39.0	62
5/6/2009 6:00	-2	2.3	5.1	202	3.8	38.8	63
5/6/2009 7:00	0	2.3	5.1	174	4.3	39.7	63
5/6/2009 8:00	6	3.2	7.2	202	6.2	43.2	57
5/6/2009 9:00	11	3.0	6.7	187	7.9	46.2	50
5/6/2009 10:00	13	3.0	6.7	186	9.8	49.6	45
5/6/2009 11:00	1	3.5	7.8	199	9.6	49.3	48
5/6/2009 12:00	-3	2.7	6.0	208	9.4	48.9	51
5/6/2009 13:00	8	2.1	4.7	202	10.0	50.0	50
5/6/2009 14:00	-4	2.4	5.4	251	8.9	48.0	63
5/6/2009 15:00	-5	2.0	4.5	19	6.3	43.3	82
5/6/2009 16:00	3	1.7	3.8	143	8.3	46.9	69
5/6/2009 17:00	2	1.7	3.8	29	9.2	48.6	64
5/6/2009 18:00	2	4.4	9.8	268	10.5	50.9	53
5/6/2009 19:00	-5	3.5	7.8	277	10.0	50.0	51
5/6/2009 20:00	-5	1.9	4.3	255	7.8	46.0	58
5/6/2009 21:00	-1	0.9	2.0	187	5.6	42.1	70
5/6/2009 22:00	-5	1.3	2.9	207	5.3	41.5	72
5/6/2009 23:00	11	2.3	5.1	189	6.2	43.2	71
5/7/2009 0:00	-5	2.6	5.8	219	5.2	41.4	76
5/7/2009 1:00	5	2.6	5.8	228	4.9	40.8	72
5/7/2009 2:00	4	4.0	8.9	233	5.3	41.5	63
5/7/2009 3:00	3	3.3	7.4	239	5.0	41.0	61
5/7/2009 4:00	7	3.8	8.5	255	4.6	40.3	59
5/7/2009 5:00	4	3.2	7.2	248	3.7	38.7	60
5/7/2009 6:00	10	2	4.5	203	3.3	37.9	63
5/7/2009 7:00	12	1.6	3.6	181	4.2	39.6	64
5/7/2009 8:00	9	2.5	5.6	186	5.1	41.2	60
5/7/2009 9:00	24	3.6	8.1	209	7.0	44.6	53
5/7/2009 10:00	8	3.4	7.6	275	7.2	45.0	48
5/7/2009 11:00	2	2.7	6.0	34	4.4	39.9	70
5/7/2009 12:00	-5	2.5	5.6	41	2.6	36.7	74
5/7/2009 13:00	19	1.3	2.9	141	2.6	36.7	78

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/7/2009 14:00	5	2.1	4.7	307	4.8	40.6	59
5/7/2009 15:00	-5	4.4	9.8	294	4.7	40.5	58
5/7/2009 16:00	4	4.6	10.3	277	5.4	41.7	46
5/7/2009 17:00	-5	4.4	9.8	246	4.2	39.6	50
5/7/2009 18:00	8	4.1	9.2	266	5.8	42.4	40
5/7/2009 19:00	-5	6.0	13.4	282	3.5	38.3	47
5/7/2009 20:00	-5	1.4	3.1	122	1.8	35.2	55
5/7/2009 21:00	-5	1.8	4.0	231	2.0	35.6	51
5/7/2009 22:00	3	2.6	5.8	239	1.7	35.1	55
5/7/2009 23:00	-1	4.1	9.2	237	1.3	34.3	60
5/8/2009 0:00	3	4.3	9.6	239	1.1	34.0	61
5/8/2009 1:00	-4	3.9	8.7	250	1.5	34.7	59
5/8/2009 2:00	3	3.8	8.5	251	1.9	35.4	58
5/8/2009 3:00	11	2.5	5.6	244	2.0	35.6	59
5/8/2009 4:00	-5	2.7	6.0	234	1.7	35.1	62
5/8/2009 5:00	14	3.6	8.1	237	1.3	34.3	68
5/8/2009 6:00	-3	2.0	4.5	269	1.2	34.2	71
5/8/2009 7:00	16	1.2	2.7	290	1.2	34.2	77
5/8/2009 8:00	4	0.8	1.8	324	2.6	36.7	69
5/8/2009 9:00	8	1.2	2.7	333	4.6	40.3	56
5/8/2009 10:00	9	1.6	3.6	36	5.8	42.4	55
5/8/2009 11:00	-3	1.5	3.4	27	6.2	43.2	56
5/8/2009 12:00	7	1.7	3.8	314	5.3	41.5	60
5/8/2009 13:00	-5	2.5	5.6	187	4.2	39.6	68
5/8/2009 14:00	5	2.0	4.5	126	5.8	42.4	60
5/8/2009 15:00	2	1.6	3.6	114	7.3	45.1	48
5/8/2009 16:00	0	1.2	2.7	53	8.6	47.5	42
5/8/2009 17:00	2	1.1	2.5	345	9.0	48.2	39
5/8/2009 18:00	10	3.0	6.7	284	10.0	50.0	34
5/8/2009 19:00	-5	3.4	7.6	304	8.6	47.5	40
5/8/2009 20:00	-5	1.6	3.6	293	4.8	40.6	52
5/8/2009 21:00	-5	1.1	2.5	317	2.3	36.1	59
5/8/2009 22:00	-4	0.5	1.1	37	1.6	34.9	63
5/8/2009 23:00	14	1.1	2.5	97	1.3	34.3	72
5/9/2009 0:00	-5	1.2	2.7	114	0.0	32.0	74
5/9/2009 1:00	9	1.2	2.7	201	-2.0	28.4	79
5/9/2009 2:00	-5	1.0	2.2	167	-2.6	27.3	82
5/9/2009 3:00	2	1.0	2.2	182	-2.9	26.8	84
5/9/2009 4:00	-5	1.3	2.9	181	-3.3	26.1	83
5/9/2009 5:00	20	1.3	2.9	195	-3.2	26.2	83
5/9/2009 6:00	-5	1.8	4.0	200	-3.2	26.2	82
5/9/2009 7:00	12	1.9	4.3	193	-0.7	30.7	74
5/9/2009 8:00	-2	1.7	3.8	190	2.6	36.7	61
5/9/2009 9:00	18	1.2	2.7	170	5.4	41.7	48
5/9/2009 10:00	20	1.5	3.4	215	7.4	45.3	42
5/9/2009 11:00	6	1.8	4.0	103	8.5	47.3	37
5/9/2009 12:00	9	1.8	4.0	119	9.9	49.8	27
5/9/2009 13:00	-3	1.9	4.3	112	11.1	52.0	17
5/9/2009 14:00	10	1.8	4.0	94	12.4	54.3	19
5/9/2009 15:00	6	2.0	4.5	348	13.0	55.4	21
5/9/2009 16:00	2	2.4	5.4	347	13.1	55.6	24
5/9/2009 17:00	-5	2.0	4.5	333	12.7	54.9	24
5/9/2009 18:00	-5	2.8	6.3	338	11.1	52.0	32
5/9/2009 19:00	-5	2.7	6.0	323	10.0	50.0	37
5/9/2009 20:00	3	0.9	2.0	311	8.8	47.8	41
5/9/2009 21:00	-1	0.9	2.0	170	6.5	43.7	51
5/9/2009 22:00	-3	0.9	2.0	187	4.0	39.2	65
5/9/2009 23:00	-2	0.8	1.8	114	2.1	35.8	69
5/10/2009 0:00	12	0.6	1.3	74	0.2	32.4	77
5/10/2009 1:00	-4	0.9	2.0	188	-1.5	29.3	79
5/10/2009 2:00	7	1.4	3.1	175	-1.0	30.2	78
5/10/2009 3:00	-5	1.4	3.1	171	-1.6	29.1	79
5/10/2009 4:00	11	0.7	1.6	166	-2.3	27.9	81
5/10/2009 5:00	12	1.1	2.5	177	-2.6	27.3	82
5/10/2009 6:00	-5	1.2	2.7	194	-2.0	28.4	79
5/10/2009 7:00	11	1.9	4.3	191	0.8	33.4	69
5/10/2009 8:00	8	2.1	4.7	190	4.6	40.3	56
5/10/2009 9:00	29	1.6	3.6	199	8.2	46.8	44
5/10/2009 10:00	14	1.5	3.4	169	11.0	51.8	33
5/10/2009 11:00	12	1.7	3.8	299	12.6	54.7	29
5/10/2009 12:00	0	2.5	5.6	298	13.4	56.1	28
5/10/2009 13:00	3	2.3	5.1	260	13.5	56.3	26
5/10/2009 14:00	4	3.1	6.9	351	14.2	57.6	30
5/10/2009 15:00	9	2.2	4.9	24	14.1	57.4	32
5/10/2009 16:00	3	1.9	4.3	12	14.5	58.1	29
5/10/2009 17:00	8	2.0	4.5	14	14.7	58.5	28
5/10/2009 18:00	-5	1.7	3.8	13	13.1	55.6	32
5/10/2009 19:00	-5	1.5	3.4	22	12.3	54.1	33
5/10/2009 20:00	9	0.8	1.8	344	10.0	50.0	43
5/10/2009 21:00	-3	1.0	2.2	269	3.4	38.1	68
5/10/2009 22:00	-5	0.7	1.6	165	2.2	36.0	72

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/10/2009 23:00	6	1.2	2.7	142	2.2	36.0	73
5/11/2009 0:00	-5	1.2	2.7	142	1.2	34.2	75
5/11/2009 1:00	10	1.3	2.9	187	1.1	34.0	74
5/11/2009 2:00	16	1.3	2.9	183	0.4	32.7	75
5/11/2009 3:00	-5	1.3	2.9	172	-0.5	31.1	77
5/11/2009 4:00	7	1.0	2.2	130	-0.5	31.1	76
5/11/2009 5:00	4	2.0	4.5	185	1.1	34.0	71
5/11/2009 6:00	5	2.3	5.1	213	1.8	35.2	67
5/11/2009 7:00	11	3.7	8.3	214	4.7	40.5	56
5/11/2009 8:00	22	2.7	6.0	234	7.4	45.3	51
5/11/2009 9:00	28	2.2	4.9	182	10.4	50.7	42
5/11/2009 10:00	11	1.9	4.3	101	11.8	53.2	40
5/11/2009 11:00	13	1.4	3.1	57	13.8	56.8	34
5/11/2009 12:00	6	4.3	9.6	259	15.1	59.2	31
5/11/2009 13:00	19	4.6	10.3	278	16.6	61.9	26
5/11/2009 14:00	4	4.2	9.4	284	17.3	63.1	24
5/11/2009 15:00	12	3.1	6.9	341	16.6	61.9	28
5/11/2009 16:00	10	2.4	5.4	304	16.7	62.1	28
5/11/2009 17:00	22	4.5	10.1	281	15.2	59.4	32
5/11/2009 18:00	-5	3.8	8.5	294	10.3	50.5	62
5/11/2009 19:00	16	2.3	5.1	316	11.4	52.5	47
5/11/2009 20:00	-5	1.1	2.5	111	9.1	48.4	54
5/11/2009 21:00	0	0.6	1.3	337	6.8	44.2	64
5/11/2009 22:00	0	0.8	1.8	266	4.8	40.6	74
5/11/2009 23:00	6	1.0	2.2	263	5.4	41.7	70
5/12/2009 0:00	0	0.9	2.0	287	3.4	38.1	76
5/12/2009 1:00	13	1.2	2.7	156	2.7	36.9	75
5/12/2009 2:00	-3	1.2	2.7	136	3.2	37.8	73
5/12/2009 3:00	23	1.4	3.1	190	2.4	36.3	75
5/12/2009 4:00	-2	1.1	2.5	191	2.5	36.5	76
5/12/2009 5:00	21	0.9	2.0	293	1.7	35.1	79
5/12/2009 6:00	-4	0.8	1.8	317	1.4	34.5	83
5/12/2009 7:00	21	1.2	2.7	164	1.7	35.1	86
5/12/2009 8:00	4	1.2	2.7	161	0.6	33.1	90
5/12/2009 9:00	11	1.2	2.7	29	0.2	32.4	90
5/12/2009 10:00	4	1.4	3.1	54	0.8	33.4	86
5/12/2009 11:00	-5	1.2	2.7	128	0.7	33.3	86
5/12/2009 12:00	17	1.5	3.4	103	2.6	36.7	77
5/12/2009 13:00	0	4.3	9.6	188	3.1	37.6	71
5/12/2009 14:00	-2	4.6	10.3	255	2.5	36.5	68
5/12/2009 15:00	2	4.2	9.4	255	3.6	38.5	55
5/12/2009 16:00	9	4.4	9.8	241	5.2	41.4	47
5/12/2009 17:00	5	5.7	12.8	255	3.8	38.8	52
5/12/2009 18:00	-2	5.4	12.1	240	3.4	38.1	47
5/12/2009 19:00	-2	6.2	13.9	238	2.6	36.7	44
5/12/2009 20:00	-5	4.0	8.9	260	0.6	33.1	51
5/12/2009 21:00	-5	2.7	6.0	246	0.0	32.0	53
5/12/2009 22:00	6	3.7	8.3	229	-0.9	30.4	61
5/12/2009 23:00	-5	4.0	8.9	236	-0.5	31.1	56
5/13/2009 0:00	2	4.7	10.5	236	-0.5	31.1	55
5/13/2009 1:00	-1	5.3	11.9	234	-0.8	30.6	58
5/13/2009 2:00	12	5.0	11.2	220	-0.9	30.4	60
5/13/2009 3:00	-5	4.1	9.2	201	-0.7	30.7	60
5/13/2009 4:00	5	4.9	11.0	222	-0.2	31.6	60
5/13/2009 5:00	4	5.2	11.6	233	-0.1	31.8	60
5/13/2009 6:00	0	5.0	11.2	231	0.3	32.5	58
5/13/2009 7:00	-3	4.8	10.7	231	0.7	33.3	57
5/13/2009 8:00	10	5.9	13.2	244	1.9	35.4	53
5/13/2009 9:00	11	6.3	14.1	244	3.7	38.7	49
5/13/2009 10:00	9	5.8	13.0	245	5.0	41.0	46
5/13/2009 11:00	-3	5.0	11.2	248	6.1	43.0	42
5/13/2009 12:00	9	3.4	7.6	252	7.9	46.2	37
5/13/2009 13:00	4	3.7	8.3	198	8.7	47.7	36
5/13/2009 14:00	-3	3.8	8.5	197	9.4	48.9	36
5/13/2009 15:00	10	3.1	6.9	209	10.1	50.2	33
5/13/2009 16:00	-5	2.6	5.8	200	10.8	51.4	31
5/13/2009 17:00	3	2.6	5.8	224	11.6	52.9	28
5/13/2009 18:00	2	3.1	6.9	233	11.7	53.1	26
5/13/2009 19:00	-5	3.0	6.7	231	10.9	51.6	26
5/13/2009 20:00	-5	1.1	2.5	189	8.3	46.9	39
5/13/2009 21:00	0	0.8	1.8	157	7.0	44.6	56
5/13/2009 22:00	-4	1.6	3.6	181	6.0	42.8	58
5/13/2009 23:00	2	1.7	3.8	164	5.3	41.5	55
5/14/2009 0:00	-1	2.5	5.6	192	5.7	42.3	48
5/14/2009 1:00	5	2.9	6.5	175	6.4	43.5	42
5/14/2009 2:00	4	3.5	7.8	168	6.4	43.5	42
5/14/2009 3:00	3	3.4	7.6	173	5.8	42.4	45
5/14/2009 4:00	8	4.1	9.2	171	5.6	42.1	50
5/14/2009 5:00	2	3.8	8.5	165	5.7	42.3	54
5/14/2009 6:00	7	5.0	11.2	186	6.1	43.0	58

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/14/2009 7:00	3	4.7	10.5	155	5.6	42.1	65
5/14/2009 8:00	11	5.0	11.2	172	6.6	43.9	61
5/14/2009 9:00	3	5.1	11.4	175	7.3	45.1	60
5/14/2009 10:00	14	6.0	13.4	190	8.6	47.5	57
5/14/2009 11:00	10	6.1	13.6	193	10.4	50.7	53
5/14/2009 12:00	3	5.4	12.1	198	13.0	55.4	41
5/14/2009 13:00	-3	4.7	10.5	199	13.4	56.1	39
5/14/2009 14:00	19	5.5	12.3	228	13.7	56.7	39
5/14/2009 15:00	-5	5.0	11.2	250	7.5	45.5	73
5/14/2009 16:00	4	5.3	11.9	237	11.0	51.8	54
5/14/2009 17:00	21	6.2	13.9	266	10.8	51.4	51
5/14/2009 18:00	-5	3.3	7.4	243	8.3	46.9	64
5/14/2009 19:00	-5	3.4	7.6	273	7.8	46.0	60
5/14/2009 20:00	0	2.7	6.0	248	6.3	43.3	65
5/14/2009 21:00	-2	1.0	2.2	36	5.2	41.4	71
5/14/2009 22:00	0	0.7	1.6	69	4.1	39.4	76
5/14/2009 23:00	5	1.9	4.3	69	2.9	37.2	81
5/15/2009 0:00	8	1.4	3.1	31	2.8	37.0	80
5/15/2009 1:00	-5	1.3	2.9	319	2.7	36.9	82
5/15/2009 2:00	7	1.2	2.7	70	2.2	36.0	83
5/15/2009 3:00	-5	0.7	1.6	219	2.2	36.0	83
5/15/2009 4:00	12	1.1	2.5	180	0.2	32.4	87
5/15/2009 5:00	-5	1.1	2.5	252	1.3	34.3	79
5/15/2009 6:00	8	0.6	1.3	312	0.4	32.7	87
5/15/2009 7:00	1	0.7	1.6	324	1.9	35.4	83
5/15/2009 8:00	9	1.0	2.2	128	5.3	41.5	64
5/15/2009 9:00	4	1.4	3.1	242	7.0	44.6	53
5/15/2009 10:00	8	2.3	5.1	259	8.5	47.3	39
5/15/2009 11:00	4	2.4	5.4	258	9.6	49.3	33
5/15/2009 12:00	12	2.5	5.6	276	11.1	52.0	32
5/15/2009 13:00	1	1.9	4.3	359	11.8	53.2	31
5/15/2009 14:00	5	2	4.5	4	13	55.4	31
5/15/2009 15:00	10	1.9	4.3	47	14.0	57.2	29
5/15/2009 16:00	8	2.0	4.5	27	14.3	57.7	28
5/15/2009 17:00	-5	2.2	4.9	8	14.3	57.7	29
5/15/2009 18:00	2	2.1	4.7	21	13.7	56.7	31
5/15/2009 19:00	-5	1.8	4.0	20	12.5	54.5	34
5/15/2009 20:00	-3	1.6	3.6	6	10.3	50.5	41
5/15/2009 21:00	-5	0.8	1.8	329	6.6	43.9	56
5/15/2009 22:00	-5	1.1	2.5	280	4.1	39.4	63
5/15/2009 23:00	-5	1.0	2.2	155	3.0	37.4	69
5/16/2009 0:00	6	1.1	2.5	163	1.5	34.7	77
5/16/2009 1:00	12	1.1	2.5	136	0.8	33.4	79
5/16/2009 2:00	14	1.1	2.5	151	0.3	32.5	79
5/16/2009 3:00	-3	1.6	3.6	182	0.2	32.4	79
5/16/2009 4:00	6	1.3	2.9	144	-0.4	31.3	80
5/16/2009 5:00	4	2.0	4.5	169	-0.1	31.8	78
5/16/2009 6:00	14	1.7	3.8	156	0.5	32.9	77
5/16/2009 7:00	6	1.5	3.4	169	3.5	38.3	67
5/16/2009 8:00	16	1.0	2.2	37	5.8	42.4	61
5/16/2009 9:00	25	1.3	2.9	17	8.8	47.8	50
5/16/2009 10:00	8	1.7	3.8	78	12.1	53.8	40
5/16/2009 11:00	5	2.3	5.1	172	15.0	59.0	29
5/16/2009 12:00	14	1.7	3.8	120	16.2	61.2	26
5/16/2009 13:00	10	1.5	3.4	21	17.5	63.5	26
5/16/2009 14:00	5	2.1	4.7	3	18.8	65.8	26
5/16/2009 15:00	31	1.9	4.3	32	19.6	67.3	24
5/16/2009 16:00	-5	2.2	4.9	4	20.3	68.5	21
5/16/2009 17:00	16	1.7	3.8	18	20.4	68.7	20
5/16/2009 18:00	2	3.0	6.7	292	19.5	67.1	20
5/16/2009 19:00	1	2.7	6.0	279	18.3	64.9	17
5/16/2009 20:00	12	0.9	2.0	279	15.3	59.5	26
5/16/2009 21:00	-4	0.9	2.0	236	12.1	53.8	37
5/16/2009 22:00	-3	0.6	1.3	316	9.2	48.6	54
5/16/2009 23:00	9	0.9	2.0	188	8.9	48.0	57
5/17/2009 0:00	14	1.4	3.1	162	9.5	49.1	51
5/17/2009 1:00	13	1.4	3.1	173	9.0	48.2	54
5/17/2009 2:00	7	1.0	2.2	7	8.5	47.3	54
5/17/2009 3:00	3	1.4	3.1	218	8.9	48.0	53
5/17/2009 4:00	17	1.0	2.2	296	7.3	45.1	61
5/17/2009 5:00	12	1.3	2.9	178	8.3	46.9	54
5/17/2009 6:00	10	1.5	3.4	169	7.9	46.2	58
5/17/2009 7:00	4	3.1	6.9	179	8.8	47.8	55
5/17/2009 8:00	24	3.5	7.8	188	12.1	53.8	42
5/17/2009 9:00	30	3.3	7.4	186	14.6	58.3	36
5/17/2009 10:00	19	4.0	8.9	187	18.1	64.6	27
5/17/2009 11:00	13	3.9	8.7	186	20.1	68.2	23
5/17/2009 12:00	9	2.7	6.0	173	21.4	70.5	21
5/17/2009 13:00	11	3.4	7.6	295	23.7	74.7	15
5/17/2009 14:00	-3	4.9	11.0	268	24.6	76.3	13
5/17/2009 15:00	4	4.2	9.4	276	24.0	75.2	15

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/17/2009 16:00	6	4.4	9.8	284	24.6	76.3	14
5/17/2009 17:00	5	4.6	10.3	276	24.8	76.6	14
5/17/2009 18:00	0	3.5	7.8	273	24.1	75.4	17
5/17/2009 19:00	13	3.3	7.4	277	23.4	74.1	19
5/17/2009 20:00	0	2.3	5.1	288	19.8	67.6	29
5/17/2009 21:00	-5	1.1	2.5	243	13.6	56.5	49
5/17/2009 22:00	-5	1.3	2.9	139	13.3	55.9	50
5/17/2009 23:00	7	1.9	4.3	148	10.7	51.3	57
5/18/2009 0:00	3	1.8	4.0	178	10.2	50.4	60
5/18/2009 1:00	11	1.5	3.4	162	9.3	48.7	63
5/18/2009 2:00	8	2.1	4.7	203	9.2	48.6	61
5/18/2009 3:00	6	1.9	4.3	230	8.7	47.7	61
5/18/2009 4:00	18	1.1	2.5	232	8.0	46.4	63
5/18/2009 5:00	11	1.1	2.5	160	7.6	45.7	65
5/18/2009 6:00	4	0.8	1.8	131	7.9	46.2	65
5/18/2009 7:00	19	1.1	2.5	108	10.8	51.4	57
5/18/2009 8:00	31	1.0	2.2	47	13.5	56.3	51
5/18/2009 9:00	26	2.1	4.7	148	19.0	66.2	34
5/18/2009 10:00	19	3.7	8.3	182	22.7	72.9	23
5/18/2009 11:00	9	4.7	10.5	183	24.4	75.9	19
5/18/2009 12:00	15	5.8	13.0	195	25.8	78.4	18
5/18/2009 13:00	16	4.7	10.5	198	26.9	80.4	16
5/18/2009 14:00	10	4.6	10.3	243	26.9	80.4	16
5/18/2009 15:00	79	4.6	10.3	237	28.1	82.6	13
5/18/2009 16:00	21	3.9	8.7	261	27.9	82.2	15
5/18/2009 17:00	4	3.6	8.1	268	27.6	81.7	15
5/18/2009 18:00	9	2.9	6.5	285	27.1	80.8	16
5/18/2009 19:00	4	1.9	4.3	312	25.7	78.3	21
5/18/2009 20:00	11	0.9	2.0	352	22.3	72.1	33
5/18/2009 21:00	-5	0.9	2.0	251	16.7	62.1	47
5/18/2009 22:00	-5	1.2	2.7	184	12.6	54.7	59
5/18/2009 23:00	8	1.5	3.4	168	12.7	54.9	55
5/19/2009 0:00	14	1.4	3.1	149	11.5	52.7	58
5/19/2009 1:00	-1	1.4	3.1	170	10.8	51.4	58
5/19/2009 2:00	11	2.8	6.3	196	10.9	51.6	57
5/19/2009 3:00	6	3.2	7.2	193	11.5	52.7	53
5/19/2009 4:00	9	3.0	6.7	203	11.4	52.5	52
5/19/2009 5:00	11	2.1	4.7	186	11.7	53.1	50
5/19/2009 6:00	7	1.9	4.3	155	12.7	54.9	46
5/19/2009 7:00	18	2.2	4.9	158	13.3	55.9	47
5/19/2009 8:00	33	3.3	7.4	183	17.9	64.2	31
5/19/2009 9:00	34	4.2	9.4	196	21.4	70.5	24
5/19/2009 10:00	39	6.8	15.2	221	23.5	74.3	18
5/19/2009 11:00	38	7.5	16.8	222	24.4	75.9	16
5/19/2009 12:00	36	8.4	18.8	221	24.9	76.8	14
5/19/2009 13:00	37	8.0	17.9	213	25.3	77.5	12
5/19/2009 14:00	40	8.0	17.9	219	25.5	77.9	11
5/19/2009 15:00	33	7.1	15.9	229	25.3	77.5	11
5/19/2009 16:00	67	3.8	8.5	7	20.7	69.3	32
5/19/2009 17:00	8	3.6	8.1	34	14.8	58.6	48
5/19/2009 18:00	29	3.7	8.3	36	13	55.4	46
5/19/2009 19:00	5	3.2	7.2	37	10.7	51.3	47
5/19/2009 20:00	1	2.4	5.4	46	8.4	47.1	52
5/19/2009 21:00	-2	2.4	5.4	48	7.0	44.6	54
5/19/2009 22:00	2	1.8	4.0	32	6.3	43.3	56
5/19/2009 23:00	10	1.3	2.9	15	6.1	43.0	58
5/20/2009 0:00	1	1.3	2.9	23	5.5	41.9	60
5/20/2009 1:00	2	0.9	2.0	28	5.1	41.2	63
5/20/2009 2:00	-1	1.2	2.7	67	5.8	42.4	60
5/20/2009 3:00	0	1.1	2.5	56	5.8	42.4	57
5/20/2009 4:00	9	1.2	2.7	34	5.7	42.3	53
5/20/2009 5:00	7	0.9	2.0	35	5.5	41.9	52
5/20/2009 6:00	5	0.9	2.0	60	5.1	41.2	52
5/20/2009 7:00	5	1.1	2.5	65	5.4	41.7	51
5/20/2009 8:00	6	3.6	8.1	285	6.7	44.1	46
5/20/2009 9:00	16	5.7	12.8	286	8.4	47.1	38
5/20/2009 10:00	5	5.7	12.8	293	9.6	49.3	29
5/20/2009 11:00	10	5.6	12.5	279	10.4	50.7	24
5/20/2009 12:00	18	5.3	11.9	271	11.2	52.2	20
5/20/2009 13:00	0	5.3	11.9	270	12.0	53.6	19
5/20/2009 14:00	4	5.3	11.9	278	12.3	54.1	18
5/20/2009 15:00	11	5.1	11.4	279	12.8	55.0	17
5/20/2009 16:00	0	5.6	12.5	287	12.7	54.9	16
5/20/2009 17:00	8	4.0	8.9	286	12.5	54.5	16
5/20/2009 18:00	2	4.4	9.8	292	11.9	53.4	15
5/20/2009 19:00	-1	3.9	8.7	311	11	51.8	17
5/20/2009 20:00	9	1.8	4.0	9	8.6	47.5	32
5/20/2009 21:00	-5	1.1	2.5	6	5.4	41.7	44
5/20/2009 22:00	-3	0.7	1.6	12	3.8	38.8	45
5/20/2009 23:00	2	1.0	2.2	48	4.2	39.6	43
5/21/2009 0:00	6	1.1	2.5	246	-0.7	30.7	63

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/21/2009 1:00	2	0.8	1.8	178	-1.6	29.1	69
5/21/2009 2:00	-2	1.5	3.4	194	-1.3	29.7	66
5/21/2009 3:00	2	1.3	2.9	180	-2.0	28.4	68
5/21/2009 4:00	9	1.4	3.1	181	-2.5	27.5	70
5/21/2009 5:00	-4	1.2	2.7	186	-3.1	26.4	72
5/21/2009 6:00	6	1.7	3.8	196	-2.7	27.1	71
5/21/2009 7:00	6	1.7	3.8	192	0.7	33.3	56
5/21/2009 8:00	36	1.9	4.3	174	4.7	40.5	44
5/21/2009 9:00	17	1.6	3.6	191	7.9	46.2	33
5/21/2009 10:00	10	1.3	2.9	176	10.7	51.3	27
5/21/2009 11:00	11	1.9	4.3	130	12.8	55.0	22
5/21/2009 12:00	15	1.7	3.8	57	14.4	57.9	22
5/21/2009 13:00	3	1.9	4.3	22	16.0	60.8	22
5/21/2009 14:00	10	2.0	4.5	15	17.2	63.0	20
5/21/2009 15:00	6	2.2	4.9	4	17.6	63.7	20
5/21/2009 16:00	12	2.0	4.5	12	18.1	64.6	19
5/21/2009 17:00	6	2.2	4.9	9	18.1	64.6	19
5/21/2009 18:00	4	2.5	5.6	4	17.4	63.3	21
5/21/2009 19:00	5	2.2	4.9	6	16.1	61.0	22
5/21/2009 20:00	13	1.3	2.9	4	13.3	55.9	29
5/21/2009 21:00	6	1.2	2.7	5	9.9	49.8	36
5/21/2009 22:00	11	0.5	1.1	292	5.2	41.4	52
5/21/2009 23:00	11	0.7	1.6	237	3.7	38.7	59
5/22/2009 0:00	11	1.2	2.7	185	3.5	38.3	61
5/22/2009 1:00	14	1.3	2.9	143	3.4	38.1	60
5/22/2009 2:00	7	0.7	1.6	105	0.8	33.4	69
5/22/2009 3:00	-5	0.8	1.8	206	-1.4	29.5	77
5/22/2009 4:00	25	1.3	2.9	163	0.6	33.1	70
5/22/2009 5:00	11	1.1	2.5	152	1.0	33.8	68
5/22/2009 6:00	3	1.2	2.7	183	0.5	32.9	68
5/22/2009 7:00	18	1.6	3.6	188	4.4	39.9	53
5/22/2009 8:00	21	1.2	2.7	223	8.5	47.3	36
5/22/2009 9:00	15	1.2	2.7	15	10.5	50.9	33
5/22/2009 10:00	11	1.3	2.9	358	12.4	54.3	32
5/22/2009 11:00	12	1.3	2.9	32	14.9	58.8	28
5/22/2009 12:00	8	1.8	4.0	351	16.2	61.2	27
5/22/2009 13:00	9	1.8	4.0	15	17.9	64.2	24
5/22/2009 14:00	7	2.0	4.5	351	19.2	66.6	23
5/22/2009 15:00	4	2.3	5.1	344	20.0	68.0	22
5/22/2009 16:00	7	2.4	5.4	351	20.5	68.9	21
5/22/2009 17:00	9	2.9	6.5	353	20.3	68.5	25
5/22/2009 18:00	4	3.8	8.5	344	19.3	66.7	28
5/22/2009 19:00	9	4.0	8.9	341	18.1	64.6	32
5/22/2009 20:00	-1	3.5	7.8	341	15.2	59.4	40
5/22/2009 21:00	0	1.4	3.1	10	12.7	54.9	47
5/22/2009 22:00	3	0.9	2.0	54	11.2	52.2	50
5/22/2009 23:00	7	0.9	2.0	268	7.8	46.0	65
5/23/2009 0:00	5	1.0	2.2	170	5.5	41.9	73
5/23/2009 1:00	4	1.3	2.9	183	5.6	42.1	72
5/23/2009 2:00	14	1.4	3.1	173	5.9	42.6	71
5/23/2009 3:00	7	1.3	2.9	196	4.8	40.6	76
5/23/2009 4:00	10	1.3	2.9	157	4.9	40.8	75
5/23/2009 5:00	0	1.0	2.2	128	3.5	38.3	81
5/23/2009 6:00	13	1.3	2.9	138	3.1	37.6	81
5/23/2009 7:00	5	2.0	4.5	182	7.4	45.3	65
5/23/2009 8:00	26	2.0	4.5	186	11.6	52.9	51
5/23/2009 9:00	25	1.7	3.8	207	14.9	58.8	40
5/23/2009 10:00	16	2.4	5.4	186	17.5	63.5	34
5/23/2009 11:00	16	1.8	4.0	207	19.8	67.6	29
5/23/2009 12:00	7	1.6	3.6	140	21.7	71.1	25
5/23/2009 13:00	11	1.8	4.0	12	22.9	73.2	24
5/23/2009 14:00	3	1.8	4.0	15	23.3	73.9	25
5/23/2009 15:00	14	2.5	5.6	350	23.8	74.8	24
5/23/2009 16:00	5	2.2	4.9	3	23.6	74.5	23
5/23/2009 17:00	8	2.3	5.1	358	22.5	72.5	26
5/23/2009 18:00	18	2.1	4.7	357	22.6	72.7	24
5/23/2009 19:00	16	2.3	5.1	31	20.1	68.2	33
5/23/2009 20:00	-1	4.4	9.8	159	17.4	63.3	43
5/23/2009 21:00	0	3.0	6.7	162	15.3	59.5	52
5/23/2009 22:00	10	1.7	3.8	211	14.8	58.6	55
5/23/2009 23:00	-5	1.9	4.3	309	13.8	56.8	61
5/24/2009 0:00	7	1.6	3.6	233	12.7	54.9	64
5/24/2009 1:00	5	2.2	4.9	218	13.2	55.8	61
5/24/2009 2:00	7	2.6	5.8	298	11.6	52.9	74
5/24/2009 3:00	-1	1.5	3.4	282	11.0	51.8	77
5/24/2009 4:00	4	1.2	2.7	333	10.2	50.4	85
5/24/2009 5:00	8	1.4	3.1	321	9.8	49.6	87
5/24/2009 6:00	8	1.2	2.7	350	9.6	49.3	90
5/24/2009 7:00	4	1.2	2.7	353	9.7	49.5	90
5/24/2009 8:00	3	1.0	2.2	22	9.6	49.3	91

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/24/2009 9:00	5	1.0	2.2	11	9.7	49.5	90
5/24/2009 10:00	1	1.2	2.7	355	9.5	49.1	91
5/24/2009 11:00	3	0.7	1.6	17	9.5	49.1	91
5/24/2009 12:00	7	0.9	2.0	8	10.0	50.0	90
5/24/2009 13:00	17	0.8	1.8	20	11.0	51.8	84
5/24/2009 14:00	BA	0.9	2.0	29	12.1	53.8	77
5/24/2009 15:00	BA	1.2	2.7	357	13.0	55.4	74
5/24/2009 16:00	BA	1.3	2.9	359	14.4	57.9	66
5/24/2009 17:00	BA	1.1	2.5	29	14.2	57.6	65
5/24/2009 18:00	BA	3.0	6.7	354	12.8	55.0	69
5/24/2009 19:00	BA	1.6	3.6	354	8.9	48.0	90
5/24/2009 20:00	BA	1.2	2.7	226	8.6	47.5	91
5/24/2009 21:00	BA	1.4	3.1	217	8.1	46.6	90
5/24/2009 22:00	BA	1.5	3.4	130	8.3	46.9	87
5/24/2009 23:00	BA	0.6	1.3	79	8	46.4	87
5/25/2009 0:00	BA	0.8	1.8	245	7.0	44.6	91
5/25/2009 1:00	BA	0.7	1.6	130	6.1	43.0	92
5/25/2009 2:00	BA	0.5	1.1	18	4.6	40.3	92
5/25/2009 3:00	BA	0.7	1.6	233	4.2	39.6	93
5/25/2009 4:00	BA	1.1	2.5	190	4.8	40.6	92
5/25/2009 5:00	BA	1.1	2.5	181	4.6	40.3	92
5/25/2009 6:00	BA	0.9	2.0	202	4.6	40.3	92
5/25/2009 7:00	BA	1.5	3.4	193	6.0	42.8	88
5/25/2009 8:00	BA	1.8	4.0	195	9.1	48.4	76
5/25/2009 9:00	BA	1.2	2.7	206	11.0	51.8	68
5/25/2009 10:00	BA	1.1	2.5	54	13.2	55.8	62
5/25/2009 11:00	BA	1.2	2.7	64	14.8	58.6	53
5/25/2009 12:00	BA	2.0	4.5	108	16.4	61.5	44
5/25/2009 13:00	BA	3.5	7.8	108	14.9	58.8	48
5/25/2009 14:00	BA	1.9	4.3	79	16.1	61.0	41
5/25/2009 15:00	BA	2.0	4.5	28	17.7	63.9	36
5/25/2009 16:00	BA	2.5	5.6	338	18.2	64.8	35
5/25/2009 17:00	BA	2.1	4.7	5	18.7	65.7	35
5/25/2009 18:00	BA	1.8	4.0	0	16.4	61.5	43
5/25/2009 19:00	BA	1.5	3.4	318	13.7	56.7	55
5/25/2009 20:00	BA	1.9	4.3	222	12.2	54.0	61
5/25/2009 21:00	BA	1.6	3.6	184	10.7	51.3	70
5/25/2009 22:00	BA	1.2	2.7	245	9.2	48.6	76
5/25/2009 23:00	BA	0.8	1.8	144	8.2	46.8	82
5/26/2009 0:00	BA	1	2.2	201	7.3	45.1	86
5/26/2009 1:00	BA	1.2	2.7	162	6.3	43.3	85
5/26/2009 2:00	BA	1.4	3.1	190	5.9	42.6	82
5/26/2009 3:00	BA	1.4	3.1	210	5.4	41.7	86
5/26/2009 4:00	BA	1.2	2.7	191	4.5	40.1	88
5/26/2009 5:00	BA	1.2	2.7	185	4.2	39.6	89
5/26/2009 6:00	BA	1.7	3.8	202	4.8	40.6	86
5/26/2009 7:00	BA	2.8	6.3	197	7.6	45.7	76
5/26/2009 8:00	BA	2.9	6.5	207	10.7	51.3	65
5/26/2009 9:00	BA	2.7	6.0	195	13.3	55.9	56
5/26/2009 10:00	BA	2.1	4.7	190	16.1	61.0	44
5/26/2009 11:00	BA	1.8	4.0	163	18.0	64.4	37
5/26/2009 12:00	BA	1.8	4.0	115	19.2	66.6	30
5/26/2009 13:00	BA	1.9	4.3	102	19.5	67.1	29
5/26/2009 14:00	BA	1.9	4.3	102	20.2	68.4	29
5/26/2009 15:00	BA	1.5	3.4	119	20.3	68.5	26
5/26/2009 16:00	BA	1.5	3.4	11	21.0	69.8	27
5/26/2009 17:00	BA	3.7	8.3	311	21.7	71.1	23
5/26/2009 18:00	BA	3.8	8.5	301	20.9	69.6	22
5/26/2009 19:00	BA	4.0	8.9	296	20.1	68.2	25
5/26/2009 20:00	BA	2.1	4.7	279	17.0	62.6	35
5/26/2009 21:00	BA	1.3	2.9	308	12.4	54.3	50
5/26/2009 22:00	BA	1.0	2.2	136	10.9	51.6	58
5/26/2009 23:00	BA	1.1	2.5	246	9.8	49.6	65
5/27/2009 0:00	BA	1.4	3.1	258	6.9	44.4	69
5/27/2009 1:00	BA	1.3	2.9	187	7.4	45.3	69
5/27/2009 2:00	BA	1.0	2.2	142	6.1	43.0	76
5/27/2009 3:00	BA	1.2	2.7	200	5.7	42.3	77
5/27/2009 4:00	BA	1.5	3.4	165	5.0	41.0	79
5/27/2009 5:00	BA	1.3	2.9	201	5.2	41.4	77
5/27/2009 6:00	BA	1.5	3.4	203	4.6	40.3	80
5/27/2009 7:00	BA	1.5	3.4	184	7.7	45.9	70
5/27/2009 8:00	BA	2.2	4.9	181	12.2	54.0	54
5/27/2009 9:00	BA	2.8	6.3	164	15.1	59.2	43
5/27/2009 10:00	BA	3.2	7.2	150	16.6	61.9	37
5/27/2009 11:00	BA	2.6	5.8	127	18.3	64.9	32
5/27/2009 12:00	BA	3.2	7.2	286	20.0	68.0	27
5/27/2009 13:00	BA	5.0	11.2	293	20.7	69.3	26
5/27/2009 14:00	BA	5.1	11.4	287	21.1	70.0	24
5/27/2009 15:00	BA	4.5	10.1	278	22.6	72.7	22
5/27/2009 16:00	BA	BA	BA	BA	22.7	72.9	21
5/27/2009 17:00	6	4.3	9.6	274	22.6	72.7	22

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/27/2009 18:00	6	3.8	8.5	271	22.2	72.0	23
5/27/2009 19:00	2	3.1	6.9	286	21.1	70.0	25
5/27/2009 20:00	-2	1.5	3.4	312	18.1	64.6	32
5/27/2009 21:00	-5	0.5	1.1	143	13.4	56.1	44
5/27/2009 22:00	-2	0.7	1.6	193	10.4	50.7	67
5/27/2009 23:00	-5	0.8	1.8	315	8.3	46.9	70
5/28/2009 0:00	-5	1.1	2.5	199	7.0	44.6	72
5/28/2009 1:00	2	1.0	2.2	140	7.8	46.0	71
5/28/2009 2:00	24	1.3	2.9	174	7.1	44.8	72
5/28/2009 3:00	-5	1.6	3.6	184	6.9	44.4	71
5/28/2009 4:00	-2	2.1	4.7	201	6.7	44.1	70
5/28/2009 5:00	13	1.9	4.3	199	6.3	43.3	70
5/28/2009 6:00	14	1.4	3.1	199	5.7	42.3	73
5/28/2009 7:00	1	2.5	5.6	199	9.1	48.4	59
5/28/2009 8:00	27	2.4	5.4	182	14.0	57.2	45
5/28/2009 9:00	15	2.2	4.9	190	18.2	64.8	32
5/28/2009 10:00	12	2.3	5.1	181	20.4	68.7	27
5/28/2009 11:00	10	3.2	7.2	156	21.6	70.9	24
5/28/2009 12:00	4	2.4	5.4	192	23.0	73.4	22
5/28/2009 13:00	-3	4.9	11.0	292	24.0	75.2	22
5/28/2009 14:00	9	3.9	8.7	288	25.0	77.0	21
5/28/2009 15:00	6	3.7	8.3	284	25.4	77.7	20
5/28/2009 16:00	4	3.3	7.4	321	25.2	77.4	23
5/28/2009 17:00	2	2.2	4.9	3	24.0	75.2	26
5/28/2009 18:00	-2	4.0	8.9	312	24.0	75.2	23
5/28/2009 19:00	4	3.4	7.6	321	22.7	72.9	26
5/28/2009 20:00	1	2.3	5.1	328	19.6	67.3	35
5/28/2009 21:00	-5	1.1	2.5	291	14.7	58.5	49
5/28/2009 22:00	-4	0.8	1.8	35	12.4	54.3	56
5/28/2009 23:00	-5	0.8	1.8	180	10.2	50.4	69
5/29/2009 0:00	23	0.9	2.0	123	9.8	49.6	73
5/29/2009 1:00	-3	1.3	2.9	140	10.3	50.5	68
5/29/2009 2:00	-1	1.6	3.6	217	8.7	47.7	72
5/29/2009 3:00	25	1.2	2.7	175	8.4	47.1	71
5/29/2009 4:00	-5	1.2	2.7	133	7.9	46.2	72
5/29/2009 5:00	10	1.1	2.5	188	7.2	45.0	73
5/29/2009 6:00	8	1.2	2.7	164	7.7	45.9	73
5/29/2009 7:00	0	2.1	4.7	194	11.4	52.5	59
5/29/2009 8:00	33	1.9	4.3	178	15.4	59.7	48
5/29/2009 9:00	21	1.0	2.2	152	18.6	65.5	37
5/29/2009 10:00	13	1.2	2.7	12	20.4	68.7	37
5/29/2009 11:00	15	1.6	3.6	360	21.5	70.7	39
5/29/2009 12:00	13	1.8	4.0	354	23.2	73.8	35
5/29/2009 13:00	7	1.7	3.8	19	25.2	77.4	28
5/29/2009 14:00	2	1.7	3.8	349	25.6	78.1	25
5/29/2009 15:00	BA	3.0	6.7	341	25.5	77.9	27
5/29/2009 16:00	28	3.8	8.5	317	22.2	72.0	37
5/29/2009 17:00	-5	3.3	7.4	233	14.5	58.1	75
5/29/2009 18:00	23	1.2	2.7	343	16.6	61.9	67
5/29/2009 19:00	14	1.1	2.5	164	18.0	64.4	60
5/29/2009 20:00	8	1.0	2.2	192	16.8	62.2	66
5/29/2009 21:00	-5	1.0	2.2	198	14.1	57.4	79
5/29/2009 22:00	20	1.3	2.9	132	13.5	56.3	82
5/29/2009 23:00	-5	1.7	3.8	179	12.7	54.9	80
5/30/2009 0:00	-5	2.1	4.7	205	12.3	54.1	76
5/30/2009 1:00	0	1.9	4.3	200	11.3	52.3	77
5/30/2009 2:00	4	1.8	4.0	188	10.8	51.4	78
5/30/2009 3:00	12	2.0	4.5	200	10.6	51.1	77
5/30/2009 4:00	-5	3.1	6.9	204	10.7	51.3	75
5/30/2009 5:00	14	3.1	6.9	203	10.0	50.0	76
5/30/2009 6:00	6	2.7	6.0	202	10.5	50.9	73
5/30/2009 7:00	4	2.5	5.6	203	13.4	56.1	63
5/30/2009 8:00	7	2.5	5.6	196	15.3	59.5	61
5/30/2009 9:00	15	2.7	6.0	196	18.5	65.3	50
5/30/2009 10:00	3	2.3	5.1	206	19.5	67.1	47
5/30/2009 11:00	11	1.6	3.6	189	21.1	70.0	42
5/30/2009 12:00	5	1.1	2.5	176	21.9	71.4	39
5/30/2009 13:00	5	1.1	2.5	342	22.6	72.7	40
5/30/2009 14:00	3	1.3	2.9	56	24.5	76.1	31
5/30/2009 15:00	4	1.2	2.7	47	24.7	76.5	32
5/30/2009 16:00	-2	1.1	2.5	20	24.1	75.4	35
5/30/2009 17:00	7	1.0	2.2	46	24.4	75.9	34
5/30/2009 18:00	7	1.2	2.7	152	24.8	76.6	32
5/30/2009 19:00	0	0.9	2.0	306	24.5	76.1	33
5/30/2009 20:00	15	0.9	2.0	325	22.0	71.6	43
5/30/2009 21:00	-5	0.9	2.0	277	15.8	60.4	59
5/30/2009 22:00	-3	0.8	1.8	111	13.8	56.8	64
5/30/2009 23:00	-5	1.3	2.9	158	13.7	56.7	64
5/31/2009 0:00	4	1.5	3.4	144	13.2	55.8	64
5/31/2009 1:00	7	1.0	2.2	165	11.6	52.9	67

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
5/31/2009 2:00	6	1.5	3.4	196	11.1	52.0	68
5/31/2009 3:00	-5	1.6	3.6	201	10.2	50.4	70
5/31/2009 4:00	6	1.2	2.7	149	10.1	50.2	69
5/31/2009 5:00	9	1.2	2.7	165	10.4	50.7	68
5/31/2009 6:00	2	2.0	4.5	136	10.3	50.5	67
5/31/2009 7:00	7	1.3	2.9	220	11.8	53.2	67
5/31/2009 8:00	10	1.8	4.0	184	14.3	57.7	61
5/31/2009 9:00	24	3.1	6.9	190	18.9	66.0	45
5/31/2009 10:00	10	2.7	6.0	166	21.1	70.0	35
5/31/2009 11:00	17	3.1	6.9	244	23.4	74.1	24
5/31/2009 12:00	9	4.3	9.6	252	24.3	75.7	21
5/31/2009 13:00	7	4.2	9.4	254	24.7	76.5	21
5/31/2009 14:00	7	4.9	11.0	261	24.9	76.8	20
5/31/2009 15:00	3	4.3	9.6	284	24.4	75.9	22
5/31/2009 16:00	6	4.0	8.9	294	24.5	76.1	22
5/31/2009 17:00	9	4.5	10.1	316	23.5	74.3	20
5/31/2009 18:00	8	4.6	10.3	317	23.0	73.4	16
5/31/2009 19:00	4	3.2	7.2	302	22.1	71.8	17
5/31/2009 20:00	3	2.1	4.7	276	18.7	65.7	30
5/31/2009 21:00	-5	1.2	2.7	295	13.2	55.8	42
5/31/2009 22:00	-5	1.0	2.2	106	13.0	55.4	47
5/31/2009 23:00	10	1.4	3.1	122	15.1	59.2	40
6/1/2009 0:00	7	1.5	3.4	174	13.5	56.3	45

BA = Routine maintenance / repairs